PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:

C12N 15/31, 15/62, C07K 14/295, 16/12, 19/00, A01K 67/027, A61K 39/118, G01N 33/53, C12Q 1/68

(11) International Publication Number:

WO 99/27105

A2

(43) International Publication Date:

3 June 1999 (03.06.99)

(21) International Application Number:

PCT/IB98/01890

(22) International Filing Date:

20 November 1998 (20.11.98)

(30) Priority Data:

97/14673 60/107,078 21 November 1997 (21.11.97) FR

4 November 1998 (04.11.98) US

(71) Applicant (for all designated States except US): GENSET [FR/FR]; 24, rue Royale, F-75008 Paris (FR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): GRIFFAIS, Rémy [FR/FR]; 51, boulevard Romain Roland, F-92120 Montrouge (FR).

(74) Agents: MARTIN, Jean-Jacques et al.; Cabinet Regimbeau, 26, avenue Kléber, F-75116 Paris (FR).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

Without international search report and to be republished upon receipt of that report.

(54) Title: CHLAMYDIA PNEUMONIAE GENOMIC SEQUENCE AND POLYPEPTIDES, FRAGMENTS THEREOF AND USES THEREOF, IN PARTICULAR FOR THE DIAGNOSIS, PREVENTION AND TREATMENT OF INFECTION

(57) Abstract

The subject of the invention is the genomic sequence and the nucleotide sequences encoding polypeptides of Chlamydia pneumoniae, such as cellular envelope polypeptides, which are secreted or specific, or which are involved in metabolism, in the replication process or in virulence, polypeptides encoded by such sequences, as well as vectors including the said sequences and cells or animals transformed with these vectors. The invention also relates to transcriptional gene products of the Chlamydia pneumoniae genome, such as, for example, antisense and ribozyme molecules, which can be used to control growth of the microorganism. The invention also relates to methods of detecting these nucleic acids or polypeptides and kits for diagnosing Chlamydia pneumoniae infection. The invention also relates to a method of selecting compounds capable of modulating bacterial infection and a method for the biosynthesis or biodegradation of molecules of interest using the said nucleotide sequences or the said polypeptides. The invention finally comprises, pharmaceutical, in particular vaccine, compositions for the prevention and/or treatment of bacterial, in particular Chlamydia pneumoniae, infections.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad →
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG _	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav	TM	Turkmenistan
BF	Burkina Faso	GR	Greece		Republic of Macedonia	TR	Turkey
BG	Bulgaria	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MN	Mongolia	UA	Ukraine
BR	Brazil	IL	Israel	MR	Mauritania	UG	Uganda
BY	Belarus	IS	Iceland	MW	Malawi	US	United States of America
CA	Canada	IT	Italy	MX	Mexico	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NE	Niger	VN	Viet Nam
CG	Congo	KE	Kenya	NL	Netherlands	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NO	Norway	zw	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's	NZ	New Zealand		
CM	Cameroon		Republic of Korea	PL	Poland		
CN	China	KR	Republic of Korea	PT	Portugal		
CU	Cuba	KZ	Kazakstan	RO	Romania		
CZ	Czech Republic	LC	Saint Lucía	RU	Russian Federation		
DE	Germany	LI	Liechtenstein	SD	Sudan		
DK	Denmark	LK	Sri Lanka	SE	Sweden	•	
EE	Estonia	LR	Liberia	SG	Singapore		

CHLAMYDIA PNEUMONIAE GENOMIC SEQUENCE AND POLYPEPTIDES, FRAGMENTS THEREOF AND USES THEREOF, IN PARTICULAR FOR THE DIAGNOSIS, PREVENTION AND TREATMENT OF INFECTION

5

20

35

The subject of the invention is the genomic sequence and the nucleotide sequences encoding polypeptides of Chlamydia pneumoniae, such as cellular envelope polypeptides, which are secreted or specific, or which are involved in metabolism, in the replication process or in virulence, 10 polypeptides encoded by such sequences, as well as vectors including the said sequences and cells or animals transformed with these vectors. The invention also relates to transcriptional gene products of the Chlamydia pneumoniae genome, such as, for example, antisense and ribozyme molecules, which can be used to control growth of the microorganism. The invention also relates to methods of detecting these nucleic acids or polypeptides and kits for diagnosing Chlamydia pneumoniae infection. 15 The invention also relates to a method of selecting compounds capable of modulating bacterial infection and a method for the biosynthesis or biodegradation of molecules of interest using the said nucleotide sequences or the said polypeptides. The invention finally comprises, pharmaceutical, in particular vaccine, compositions for the prevention and/or treatment of bacterial, in particular Chlamydia pneumoniae, infections.

Comparative analysis of the sequence of the gene encoding the ribosomal 16S RNA has been widely used for the phylogenetic study of prokaryotes. This approach has made it possible to classify the Chlamydiae among the eubacteria, among which they represent a well-isolated group, with, nevertheless, a very weak link with the planctomyces. The Chlamydiae thus exhibit some unique characteristics within the eubacteria, in particular their development cycle and the structure of their 25 membranes. They have a unique two-phase cell cycle: the elementary body, a small extracellular form, attaches to the host and is phagocytosed; in the phagosome, it is converted to the replicative intracellular form, the reticulate body. The Chlamydiae are obligate intracellular bacteria which multiply in eukaryotic cells at the expense of their energy reserves and nucleotide pools; they are responsible for a wide variety of diseases in mammals and birds. The Chlamydiae are the only 30 members of the order Chlamydiales, of the family Chlamydiaceae and of the genus Chlamydia. Within the genus Chlamydia, four species are currently described: Chlamydia trachomatis, Chlamydia psittaci, Chlamydia pneumoniae and Chlamydia pecorum. These bacteria are grouped together and share biological and biochemical properties. Among them, only the first three infect humans, Chlamydia pecorum being a pathogen of ruminants.

The species Chlamydia psittaci infects many animals, in particular birds, and is transmissible to humans. It is responsible for atypical pneumonia, for hepatic and renal dysfunction, for endocarditis and for conjunctivitis.

The species Chlamydia trachomatis is the best characterized. Besides a murine strain, it is divided into two groups which are distinguishable by the nature of the diseases for which they are responsible: trachoma, genital attack and venereal lymphogranulomatosis. There are fifteen human serotypes of Chlamydia trachomatis (A, K) and LGV (L1, L2, L3). Strains A to C are mainly found in eye infections, whereas strains D to K and LGV are essentially responsible for genital entry infections. It should be mentioned that the LGV strains are responsible for systemic diseases. Historically, it was in 1906 that Halberstaeder and Von Provaseck discovered, in trachoma patients, the presence of inclusions in the cytoplasm of the cells derived from conjunctival scrapings. In 1940, Rake and Jones described these same inclusions in certain cells obtained by puncturing the ganglia from a patient suffering from venereal granulomatosis. Characterization of the Chlamydia trachomatis microorganism was only successfully carried out in 1957, after a series of isolations in cell cultures.

It was in 1983 that *Chlamydia pneumoniae* was recognized as a human pathogen (Grayston JT et al., 1986); since then, special attention has been paid to this bacterium and it is estimated (Gaydos CA et al., 1994) that 10% of pneumonias, and 5% of bronchitides and sinusites are 15 - attributable to *Chlamydia pneumoniae* (Aldous MB et al., 1992). More recently, the association of this bacterium with the pathogenesis of asthmatic disease and of cardiovascular impairments is increasingly of interest.

Serological studies have made it possible to observe that Chlamydia pneumoniae infection is common in children between 5 and 16 years of age. Before this age, it is rare to find antibodies; the increase in the number of individuals carrying antibodies is then correlated with age up to 20 years. Accordingly, 50% of adults are carriers of antibodies, it being possible for this prevalence to be as high as 75%. These figures are all the more striking since a first infection induces antibody levels of which the persistence over time is limited to 3 or at most 5 years, which suggests frequent reinfection during the entire lifespan. The annual seroconversion rate is about 8% between 8 and 12 years and about 6% between 12 and 16 years (Haidl et al., 1994). Before the age of 15 years, the seroprevalence of the disease is identical between both sexes. After this age, men are more frequently infected than women; this is true in all regions worldwide where such studies have been carried out.

These infections are geographically highly widespread, as shown by numerous studies carried out throughout the world (Kanamoto Y et al., 1991; Tong CY et al., 1993). Developed countries of the north such as Canada, Denmark and Norway have the lowest infection rates; conversely, the highest prevalence rates are found in the less developed countries of tropical regions where the infection may occur before the age of 5 years.

Humans are the only known reservoir for Chlamydia pneumoniae and it is probable that the infection is caused by direct transmission, respiratory secretions probably being responsible for this low-yield transmission (Aldous et al., 1992). The chain of transmission may also appear to be indirect (Kleemola M et al., 1988), suggesting that the infection is caused by an effective transmission, but also that asymptomatic carriers exist, which could explain the high prevalence of the disease.

Other studies (Mordhorst CH et al., 1992) show that the efficiency of the transmission varies according to the individuals and list cases of infection affecting all or the majority of members of one family or of a group of families. The period of incubation is several weeks, significantly longer in this regard than that of many other respiratory pathogenic agents. Although under conditions of high 5 relative humidity the infectivity of Chlamydia pneumoniae in the open air decreases rapidly, suggesting a direct mode of transmission under these conditions, it is probable that the transmission occurs in some cases indirectly since the microorganism can survive for up to 30 hours in a hostile environment (Falsey et al., 1993).

Clinical manifestations due to Chlamydia pneumoniae are essentially respiratory 10 diseases. Pneumonia and bronchitis are the most frequent because they are clinically patent; since etiological diagnosis is evoked in this case, the infectious agent is identified. The asymptomatic diseases are probably numerous (Grayston JT et al., 1992; Grayston JT et al., 1986; Thom DH et al., 1990). The disease then progresses via bronchitis or pneumonia; fever is absent at the time of examination but is sometimes reported by the patient. The degree of seriousness of the disease is 15 variable and in hospitalized patients, it is common to observe pleural effusion; a generalized infection may also be observed and, in severe cases, anatomicopathological examination shows Chlamydia pneumoniae diseases.

Other syndromes such as sinusitis (Hashiguchi K et al., 1992), purulent otitis media (Ogawa H et al., 1992), or pharyngitis (Huovinen P et al., 1989) have been described, as well as 20 infections with respiratory impairments similar to asthma (Hahn DL et al., 1991). Chlamydia pneumoniae has also been associated with sarcoidosis, with erythema nodosum (Sundelof et al., 1993) and one case of Guillain-Barré syndrome has even been described (Haidl et al., 1992). The involvement of Chlamydia pneumoniae in Reiter's syndrome has also been evaluated (Braun J et al., 1994).

The association of Chlamydia pneumoniae with coronary diseases and with myocardial infarction was first suspected from the observation of the high antibody level in 71% of patients having a heart disease (Shor A et al., 1992; Kuo CC et al., 1993; Puolakkainen M et al., 1993; Thomas GN et al., 1997). Studies carried out in several countries have shown similar results in patients with atheromatous impairments (Shor A et al., 1992; Kuo CC et al., 1993; Puolakkainen M 30 et al., 1993; Grayston JT et al., 1996; Casas-Ciria J et al., 1996; Thomas GN et al., 1997; Jackson LA et al., 1997) and in patients with carotid impairments. Anatomicopathological and microbiological studies have detected Chlamydia pneumoniae in the vessels. The electron microscope has made it possible to visualize the bacterium (Ladany S et al., 1989), which has in fact been demonstrated by other techniques such as PCR (Campbell LA et al., 1992; Kuo CC et al., 1993; Kuo CC et al., 1988). It 35 also appears that the bacterium is more frequently found in old atheromatous lesions. Other studies carried out on young subjects from 15 to 35 years have given the opportunity to study the coronary arteries of people without atherosclerosis, this observation not being possible in older subjects (the

onset of the atheromatous disease is early). In these young subjects, the PCR studies did not find Chlamydia pneumoniae in subjects free of atheromatous disease, but revealed the presence of Chlamydia pneumoniae in two of the eleven subjects who showed early lesions and in six of the seven subjects who developed atheroma plaques. These studies therefore show that the atheroma plaque is very strongly correlated with the presence of Chlamydia pneumoniae, but the role played by the bacterium in vascular pathology is not yet defined.

The data relating to controlled clinical studies analysing the effect of treatments in Chlamydia pneumoniae infections are limited in number. Unlike penicillin, ampicillin or the sulphamides, erythromycin, tetracycline or doxycycline show an antibiotic activity in vitro against 10 Chlamydia pneumoniae. However, a treatment at high doses should be continued for several weeks in order to avoid a recurrence of the infection. Accordingly, the use of two new macrolides, clarithromycin and azithromycin, whose diffusion, bioavailability and half-life allow shorter and better tolerated cures, is nowadays preferred. In the absence of definitive proof based on the results of clinical studies, an effective, without recurrences, and well-tolerated treatment of Chlamydia pneumoniae infections therefore remains desirable.

An even more important need up until now relates to a specific and sensitive diagnosis, which can be carried out conveniently and rapidly, allowing early screening for the infection. Methods based on *Chlamydia pneumoniae* culture are slow and require a considerable know-how because of the difficulty involved in the collection, preservation and storage of the strain under appropriate conditions. Methods based on antigen detection (EIA, DFA) or on nucleic acid amplification (PCR) provide tests which are more suitable for laboratory practice. A reliable, sensitive and convenient test, which allows distinction between serogroups and a fortiori between *Chlamydia pneumoniae* species is therefore highly desirable.

This is all the more important since the symptoms of *Chlamydia pneumoniae* infection appear slowly, since all the pathologies associated with these infections have not yet been identified, and since, as has been mentioned above, an association is suspected between these infections and serious chronic infections, asthma or atherosclerosis.

No vaccine is yet available against *Chlamydia pneumoniae*: this is due to the labile nature of the antigens specific to the strain, which has so far prevented their specific identification.

Although the number of studies and of animal models developed is high, the antigens used have not induced sufficient protective immunity to lead to the development of human vaccines. In the case of *Chlamydia pneumoniae*, the role of the immune defense in the physiology and pathology of the disease should probably be understood in order to develop satisfactory vaccines.

More detailed information relating to the biology of these strains, their interactions with their hosts, the associated phenomena of infectivity and those of escaping the immune defenses of the host in particular, and finally their involvement in the development of the these associated pathologies, will allow a better understanding of these mechanisms. In the light of the preceding text which shows

15

35

in particular the limitations of the means of controlling *Chlamydia pneumoniae* infection, it is therefore at present essential, on the one hand, to develop molecular tools, in particular from a better genetic knowledge of *Chlamydia pneumoniae*, but also to develop new preventive and therapeutic treatments, new diagnostic methods and new vaccine strategies which are specific, effective and tolerated. This is precisely the object of the present invention.

The subject of the present invention is the nucleotide sequence having the sequence SEQ ID No. 1 of the *Chlamydia pneumoniae* genome. However, the invention is not limited to SEQ ID No. 1, but encompasses genomes and nucleotides encoding polypeptides of strain variants, polymorphisms, allelic variants, and mutants.

Thus, the subject of the present invention encompasses nucleotide sequences characterized in that they are chosen from:

- a) the nucleotide sequence of SEQ ID No. 1, a nucleotide sequence exhibiting at least 99.9% identity with the sequence SEQ ID No. 1, the nucleotide sequence of the genomic DNA contained within ATCC Deposit No. ____, the nucleotide sequence of a clone insert within ATCC Deposit No. ____;
- b) a nucleotide sequence homologous to the sequence SEQ ID No. 1;
- c) a polynucleotide sequence that hybridizes to the nucleotide sequence of a) under conditions of high or intermediate stringency as described below:
- (i) By way of example and not limitation, procedures using conditions of high stringency are 20 as follows: Prehybridization of filters containing DNA is carried out for 8 h to overnight at 65EC in buffer composed of 6X SSC, 50 mM Tris-HCl (pH 7.5), 1 mM EDTA, 0.02% PVP, 0.02% Ficoll, 0.02% BSA, and 500 µg/ml denatured salmon sperm DNA. Filters are hybridized for 48 h at 65EC, the preferred hybridization temperature, in prehybridization mixture containing 100 µg/ml denatured salmon sperm DNA and 5-20 X 10⁶ cpm of ³²P-labeled probe. Alternatively, the hybridization step 25 can be performed at 65EC in the presence of SSC buffer, 1 x SSC corresponding to 0.15M NaCl and 0.05 M Na citrate. Subsequently, filter washes can be done at 37EC for 1 h in a solution containing 2X SSC, 0.01% PVP, 0.01% Ficoll, and 0.01% BSA, followed by a wash in 0.1X SSC at 50EC for 45 min. Alternatively, filter washes can be performed in a solution containing 2 x SSC and 0.1% SDS, or 0.5 x SSC and 0.1% SDS, or 0.1 x SSC and 0.1% SDS at 68EC for 15 minute intervals. Following 30 the wash steps, the hybridized probes are detectable by autoradiography. Other conditions of high stringency which may be used are well known in the art and as cited in Sambrook et al., 1989, Molecular Cloning, A Laboratory Manual, Second Edition, Cold Spring Harbor Press, N.Y., pp. 9.47-9.57; and Ausubel et al., 1989, Current Protocols in Molecular Biology, Green Publishing Associates and Wiley Interscience, N.Y. are incorporated herein in their entirety.
 - (ii) By way of example and not limitation, procedures using conditions of intermediate stringency are as follows: Filters containing DNA are prehybridized, and then hybridized at a

15

temperature of 60EC in the presence of a 5 x SSC buffer and labeled probe. Subsequently, filters washes are performed in a solution containing 2x SSC at 50EC and the hybridized probes are detectable by autoradiography. Other conditions of intermediate stringency which may be used are well known in the art and as cited in Sambrook et al., 1989, Molecular Cloning, A Laboratory Manual, Second Edition, Cold Spring Harbor Press, N.Y., pp. 9.47-9.57; and Ausubel et al., 1989, Current Protocols in Molecular Biology, Green Publishing Associates and Wiley Interscience, N.Y. are incorporated herein in their entirety.

- d) a nucleotide sequence complementary to the sequence SEQ ID No. 1 or complementary to a nucleotide sequence as defined in a), b) or c) and a nucleotide sequence of their corresponding RNA;
- e) a nucleotide sequence of a representative fragment of the sequence SEQ ID No. 1, or of a representative fragment of the nucleotide sequence as defined in a), b), c) or d);
- f) a nucleotide sequence comprising a sequence as defined in a), b), c), d) or e);
- g) a nucleotide sequence capable of being obtained from a nucleotide sequence as defined in a), b), c), d), e) or f); and
- h) a modified nucleotide sequence of a nucleotide sequence as defined in a), b), c), d), e), f) or g).

Nucleotide sequence, polynucleotide or nucleic acid are understood to mean, according to the present invention, either a double-stranded DNA, a single-stranded DNA or products of transcription of the said DNAs.

It should be understood that the present invention does not relate to the genomic nucleotide sequences of *Chlamydia pneumoniae* taken in their natural environment, that is to say in the natural state. They are sequences which may have been isolated, purified or partially purified, by separation methods such as, for example, ion-exchange chromatography, molecular size exclusion chromatography or affinity chromatography, or alternatively fractionation techniques based on solubility in various solvents, or by genetic engineering methods such as amplification, cloning or subcloning, it being possible for the sequences of the invention to be carried by vectors.

The nucleotide sequence SEQ ID No. 1 was obtained by sequencing the *Chlamydia* pneumoniae genome by the method of directed sequencing after fluorescent automated sequencing of the inserts of clones and assembling of these sequences of nucleotide fragments (inserts) by means of softwares (cf. Examples). In spite of the high precision of the sequence SEQ ID No. 1, it is possible that it does not perfectly, 100% represent the nucleotide sequence of the *Chlamydia pneumoniae* genome and that a few rare sequencing errors or uncertainties still remain in the sequence SEQ ID No. 1. In the present invention, the presence of an uncertainty for an amino acid is designated by "Xaa" and that for a nucleotide is designated by "N" in the sequence listing below. These few rare errors or uncertainties could be easily detected and corrected by persons skilled in the art using the entire chromosome and/or its representative fragments according to the invention and standard

amplification, cloning and sequencing methods, it being possible for the sequences obtained to be easily compared, in particular by means of a computer software and using computer-readable media for recording the sequences according to the invention as described, for example, below. After correcting these possible rare errors or uncertainties, the corrected nucleotide sequence obtained would still exhibit at least 99.9% identity with the sequence SEQ ID No. 1. Such rare sequencing uncertainties are not present within the DNA contained within ATCC Deposit No. __ or ___, and whatever rare sequence uncertainties that exist within SEQ ID No. 1 can routinely be corrected utilizing the DNA of the ATCC deposits.

Homologous nucleotide sequence for the purposes of the present invention is understood 10 to mean a nucleotide sequence having a percentage identity with the bases of the nucleotide sequence SEO ID No. 1 of at least 80%, preferably 90% and 95%, this percentage being purely statistical and it being possible for the differences between the two nucleotide sequences to be distributed randomly and over their entire length. The said homologous sequences exhibiting a percentage identity with the bases of the nucleotide sequence SEQ ID No. 1 of at least 80%, preferably 90% and 95%, may 15 comprise, for example, the sequences corresponding to the genomic sequence or to the sequences of its representative fragments of a bacterium belonging to the Chlamydia family, including the species Chlamydia trachomatis, Chlamydia psittaci and Chlamydia pecorum mentioned above, as well as the sequences corresponding to the genomic sequence or to the sequences of its representative fragments of a bacterium belonging to the variants of the species Chlamydia pneumoniae. In the present 20 invention, the terms family and genus are mutually interchangeable, the terms variant, serotype, strain and subspecies are also mutually interchangeable. These homologous sequences may thus correspond to variations linked to mutations within the same species or between species and may correspond in particular to truncations, substitutions, deletions and/or additions of at least one nucleotide. The said homologous sequences may also correspond to variations linked to the degeneracy of the genetic code 25 or to a bias in the genetic code which is specific to the family, to the species or to the variant and which are likely to be present in Chlamydia.

Protein and/or nucleic acid sequence homologies may be evaluated using any of the variety of sequence comparison algorithms and programs known in the art. Such algorithms and programs include, but are by no means limited to, TBLASTN, BLASTP, FASTA, TFASTA, and 30 CLUSTALW (Pearson and Lipman, 1988, Proc. Natl. Acad. Sci. USA 85(8):2444-2448; Altschul et al., 1990, J. Mol. Biol. 215(3):403-410; Thompson et al., 1994, Nucleic Acids Res. 22(2):4673-4680; Higgins et al., 1996, Methods Enzymol. 266:383-402; Altschul et al., 1990, J. Mol. Biol. 215(3):403-410; Altschul et al., 1993, Nature Genetics 3:266-272).

In a particularly preferred embodiment, protein and nucleic acid sequence homologies are evaluated using the Basic Local Alignment Search Tool ("BLAST") which is well known in the art (see, e.g., Karlin and Altschul, 1990, Proc. Natl. Acad. Sci. USA 87:2267-2268; Altschul et al., 1990, J. Mol. Biol. 215:403-410; Altschul et al., 1993, Nature Genetics 3:266-272; Altschul et al., 1997,

10

30

Nuc. Acids Res. 25:3389-3402). In particular, five specific BLAST programs are used to perform the following task:

- (1)BLASTP and BLAST3 compare an amino acid query sequence against a protein. sequence database;
- (2)BLASTN compares a nucleotide query sequence against a nucleotide sequence database:
- (3)BLASTX compares the six-frame conceptual translation products of a query nucleotide sequence (both strands) against a protein sequence database;
- (4)TBLASTN compares a query protein sequence against a nucleotide sequence database translated in all six reading frames (both strands); and
- (5)TBLASTX compares the six-frame translations of a nucleotide query sequence against the six-frame translations of a nucleotide sequence database.

The BLAST programs identify homologous sequences by identifying similar segments, which are referred to herein as "high-scoring segment pairs," between a query amino or nucleic acid sequence 15 - and a test sequence which is preferably obtained from a protein or nucleic acid sequence database. High-scoring segment pairs are preferably identified (i.e., aligned) by means of a scoring matrix, many of which are known in the art. Preferably, the scoring matrix used is the BLOSUM62 matrix (Gonnet et al., 1992, Science 256:1443-1445; Henikoff and Henikoff, 1993, Proteins 17:49-61). Less preferably, the PAM or PAM250 matrices may also be used (see, e.g., Schwartz and Dayhoff, eds., 20 1978, Matrices for Detecting Distance Relationships: Atlas of Protein Sequence and Structure, Washington: National Biomedical Research Foundation)

The BLAST programs evaluate the statistical significance of all high-scoring segment pairs identified, and preferably selects those segments which satisfy a user-specified threshold of significance, such as a user-specified percent homology. Preferably, the statistical significance of a 25 high-scoring segment pair is evaluated using the statistical significance formula of Karlin (see, e.g., Karlin and Altschul, 1990, Proc. Natl. Acad. Sci. USA 87:2267-2268).

Nucleotide sequence complementary to a sequence of the invention is understood to mean any DNA whose nucleotides are complementary to those of the sequence of the invention, and whose orientation is reversed (antiparallel sequence).

The present invention further comprises fragments of the sequences of a) through f), above. Representative fragments of the sequences according to the invention will be understood to mean any nucleotide fragment having at least 8 successive nucleotides, preferably at least 12 successive nucleotides, and still more preferably at least 15 or at least 20 successive nucleotides of the sequence from which it is derived. It is understood that such fragments refer only to portions of SEQ 35 ID No. 1 that are not currently listed in a publicly available database.

Among these representative fragments, those capable of hybridizing under stringent conditions with a nucleotide sequence according to the invention are preferred. Hybridization under

25

stringent conditions means that the temperature and ionic strength conditions are chosen such that they allow hybridization to be maintained between two complementary DNA fragments.

By way of illustration, high stringency conditions for the hybridization step for the purposes of defining the nucleotide fragments described above, are advantageously the following.

The hybridization is carried out at a preferred temperature of 65EC in the presence of SSC buffer, 1 × SSC corresponding to 0.15 M NaCl and 0.05 M Na citrate. The washing steps may be, for example, the following:

 $2 \times SSC$, 0.1% SDS at room temperature followed by three washes with $1 \times SSC$, 0.1% SDS; $0.5 \times SSC$, 0.1% SDS; $0.1 \times SSC$, 0.1% SDS at 68EC for 15 minutes.

10 Intermediate stringency conditions, using, for example, a temperature of 60EC in the presence of a 5 × SSC buffer, or of low stringency, for example a temperature of 50EC in the presence of a 5 x SSC buffer, respectively require a lower overall complementarity for the hybridization between the two sequences.

The stringent hybridization conditions described above for a polynucleotide of about 300 bases in size will be adapted by persons skilled in the art for larger- or smaller-sized 15 oligonucleotides, according to the teaching of Sambrook et al., 1989.

Among the representative fragments according to the invention, those which can be used as primer or probe in methods which make it possible to obtain homologous sequences or their representative fragments according to the invention, or to reconstitute a genomic fragment found to be 20 incomplete in the sequence SEQ ID No. 1 or carrying an error or an uncertainty, are also preferred, these methods, such as the polymerase chain reaction (PCR), cloning and sequencing of nucleic acid being well known to persons skilled in the art. These homologous nucleotide sequences corresponding to mutations or to inter- or intra-species variations, as well as the complete genomic sequence or one of its representative fragments capable of being reconstituted, of course form part of the invention.

Among the said representative fragments, those which can be used as primer or probe in methods allowing diagnosis of the presence of Chlamydia pneumoniae or one of its associated microorganisms as defined below are also preferred.

The representative fragments capable of modulating, regulating, inhibiting or inducing 30 the expression of a gene of Chlamydia pneumoniae or one of its associated microorganisms, and/or capable of modulating the replication cycle of Chlamydia pneumoniae or one of its associated microorganisms in the host cell and/or organism, are also preferred. Replication cycle is intended to designate invasion, multiplication, intracellular localization, in particular retention in the vacuole and inhibition of the process of fusion to the lysosome, and propagation of Chlamydia pneumoniae or one 35 of its associated microorganisms from host cells to host cells.

Among the said representative fragments, those corresponding to nucleotide sequences corresponding to open reading frames, called ORF sequences (ORF for open reading frame), and encoding polypeptides, such as for example, but without being limited thereto, the ORF sequences which will be later described, are finally preferred.

The representative fragments according to the invention may be obtained, for example, by specific amplification, such as PCR, or after digestion, with appropriate restriction enzymes, of nucleotide sequences according to the invention; these methods are in particular described in the manual by Sambrook et al., 1989. The said representative fragments may also be obtained by chemical synthesis when they are not too large in size and according to methods well known to persons skilled in the art. For example, such fragments can be obtained by isolating fragments of the genomic DNA of ATCC Deposit No. ____ or a clone insert present at this ATCC Deposit No. ___.

The representative fragments according to the invention may be used, for example, as primer, to reconstitute some of the said representative fragments, in particular those in which a portion of the sequence is likely to be missing or imperfect, by methods well known to persons skilled in the art such as amplification, cloning or sequencing techniques.

10

Modified nucleotide sequence will be understood to mean any nucleotide sequence 15- obtained by mutagenesis according to techniques well known to persons skilled in the art, and exhibiting modifications in relation to the normal sequences, for example mutations in the regulatory and/or promoter sequences for the expression of a polypeptide, in particular leading to a modification of the level of expression of the said polypeptide or to a modulation of the replicative cycle.

Modified nucleotide sequence will also be understood to mean any nucleotide sequence encoding a modified polypeptide as defined below.

The subject of the present invention also includes *Chlamydia pneumoniae* nucleotide sequences characterized in that they are chosen from a nucleotide sequence of an open reading frame (ORF), that is, the ORF2 to ORF1297 sequences.

The ORF2 to ORF1297 nucleotide sequences are defined in Tables 1 and 2, *infra*, by their position on the sequence SEQ ID No. 1. For example, the ORF2 sequence is defined by the nucleotide sequence between the nucleotides at position 42 and 794 on the sequence SEQ ID No. 1, ends included. ORF2 to ORF1297 have been identified via homology analyses as well as via analyses of potential ORF start sites, as discussed in the examples below. It is to be understood that each identified ORF of the invention comprises a nucleotide sequence that spans the contiguous nucleotide sequence from the ORF stop codon immediately 3' to the stop codon of the preceding ORF and through the 5' codon to the next stop codon of SEQ ID No.:1 in-frame to the ORF nucleotide sequence. Table 2, *infra*, lists the beginning, end and potential start site of each of ORFs 1-1297. In one embodiment, the ORF comprises the contiguous nucleotide sequence spanning from the potential ORF start site downstream (that is, 3') to the ORF stop codon (or the ORF codon immediately adjacent to and upstream of the ORF stop codon). ORF2 to ORF1297 encode the polypeptides of SEQ ID No. 2 to SEQ ID No. 1291 and of SEQ ID No. 6844 to SEQ ID No. 6849, respectively.

Upon introduction of minor frameshifts, certain individual ORFs can comprise larger

"combined" ORFs. A list of such putative "combined" ORFs is shown in Table 3, below. For example, a combined ORF can comprise ORF 25, ORF 26 and ORF 27, including intervening inframe, nucleotide sequences. The order of ORFs (5' to 3'), within each "combined" ORF is as listed. It is to be understood that when ORF2 to ORF1297 are referred to herein, such reference is also meant to include "combined" ORFs. Polypeptide sequences encoded by such "combined" ORFs are also part of the present invention.

Table 3

ORF 25, ORF 26, ORF 27;

10 ORF 28, ORF 29, ORF 30;

ORF 31, ORF 32;

ORF 33, ORF 35;

ORF 466, ORF 467;

ORF 468, ORF 469;

15 ORF 477, ORF 476, ORF 474;

ORF 480, ORF 482;

ORF 483, ORF 485, ORF 486, ORF 500;

ORF 503, ORF 504, ORF 505;

ORF 506, ORF 507;

20 ORF 1211, ORF 647;

ORF 1286, ORF 1039;

ORF 691, ORF 690;

ORF 105, ORF 106;

ORF 170, ORF 171; ORF 394, ORF 393;

25 ORF 453, ORF 452, ORF 451;

ORF 526, ORF 525;

ORF 757, ORF 756, ORF 755;

ORF 856, ORF 855;

ORF 958, ORF 957;

30 ORF 915, ORF 914, ORF 913;

ORF 543, ORF 544;

ORF 1266, ORF 380;

ORF 745, ORF 744;

ORF 777, ORF 776;

35 ORF 343, ORF 1297, and representative fragments.

polypeptides encoded by each of the ORFs to sequences present in public published databases. It is understood that those polypeptides listed in Table 1 as exhibiting greater than about 95% identity to a polypeptide present in a publicly disclosed database are not considered part of the present invention; likewise in this embodiment, those nucleotide sequences encoding such polypeptides are not considered part of the invention. In another embodiment, it is understood that those polypeptides listed in Table 1 as exhibiting greater than about 99% identity to a polypeptide present in a publicly disclosed database are not considered part of the invention; likewise, in this embodiment, those nucleotide sequences encoding such polypeptides are not considered part of the invention.

The invention also relates to the nucleotide sequences characterized in that they comprise a nucleotide sequence chosen from:

- a) an ORF2 to ORF1297, a "combined" ORF nucleotide sequence, the nucleotide sequence of the genomic DNA contained within ATCC Deposit No. ______ or the nucleotide sequence of a clone insert in ATCC Deposit No. _____ according to the invention;
- b) a homologous nucleotide sequence exhibiting at least 80% identity across an entire ORF2 to 15- ORF1297 nucleotide sequence according to the invention or as defined in a);
 - c) a polynucleotide sequence that hybridizes to ORF2 to ORF1297 under conditions of high or intermediate stringency as described below:
- (i) By way of example and not limitation, procedures using conditions of high stringency are as follows: Prehybridization of filters containing DNA is carried out for 8 h to overnight at 65EC in 20 buffer composed of 6X SSC, 50 mM Tris-HCl (pH 7.5), 1 mM EDTA, 0.02% PVP, 0.02% Ficoll. 0.02% BSA, and 500 µg/ml denatured salmon sperm DNA. Filters are hybridized for 48 h at 65EC. the preferred hybridization temperature, in prehybridization mixture containing 100 µg/ml denatured salmon sperm DNA and 5-20 X 106 cpm of 32P-labeled probe. Alternatively, the hybridization step can be performed at 65EC in the presence of SSC buffer, 1 x SSC corresponding to 0.15M NaCl and 25 0.05 M Na citrate. Subsequently, filter washes can be done at 37EC for 1 h in a solution containing 2X SSC, 0.01% PVP, 0.01% Ficoll, and 0.01% BSA, followed by a wash in 0.1X SSC at 50EC for 45 min. Alternatively, filter washes can be performed in a solution containing 2 x SSC and 0.1% SDS, or 0.5 x SSC and 0.1% SDS, or 0.1 x SSC and 0.1% SDS at 68EC for 15 minute intervals. Following the wash steps, the hybridized probes are detectable by autoradiography. Other conditions of high 30 stringency which may be used are well known in the art and as cited in Sambrook et al., 1989. Molecular Cloning, A Laboratory Manual, Second Edition, Cold Spring Harbor Press, N.Y., pp. 9.47-9.57; and Ausubel et al., 1989, Current Protocols in Molecular Biology, Green Publishing Associates and Wiley Interscience, N.Y. are incorporated herein in their entirety. Preferably, such sequences encode a homolog of a polypeptide encoded by one of ORF2 to ORF1297. In one 35 embodiment, such sequences encode a Chlamydia pneumoniae polypeptide.
 - (ii) By way of example and not limitation, procedures using conditions of intermediate

stringency are as follows: Filters containing DNA are prehybridized, and then hybridized at a temperature of 60EC in the presence of a 5 x SSC buffer and labeled probe. Subsequently, filters washes are performed in a solution containing 2x SSC at 50EC and the hybridized probes are detectable by autoradiography. Other conditions of intermediate stringency which may be used are 5 well known in the art and as cited in Sambrook et al., 1989, Molecular Cloning, A Laboratory Manual, Second Edition, Cold Spring Harbor Press, N.Y., pp. 9.47-9.57; and Ausubel et al., 1989, Current Protocols in Molecular Biology, Green Publishing Associates and Wiley Interscience, N.Y. are incorporated herein in their entirety. Preferably, such sequences encode a homolog of a polypeptide encoded by one of ORF2 to ORF1297. In one embodiment, such sequences encode a Chlamydia

- 10 pneumoniae polypeptide.
 - complementary or RNA nucleotide sequence corresponding to an ORF2 to ORF1297 sequence according to the invention or as defined in a), b) or c);
 - a nucleotide sequence of a representative fragment of an ORF2 to ORF1297 sequence according to the invention or of a sequence as defined in a), b), c) or d);
- a nucleotide sequence capable of being obtained from an ORF2 to ORF1297 sequence according 15 f) to the invention or as defined in a), b), c), d) or e); and
 - a modified nucleotide sequence of an ORF2 to ORF1297 sequence according to the invention or as defined in a), b), c), d), e) or f);

As regards the homology with the ORF2 to ORF1297 nucleotide sequences, the 20 homologous sequences exhibiting a percentage identity with the bases of one of the ORF2 to ORF1297 nucleotide sequences of at least 80%, preferably 90% and 95%, are preferred. Such homologous sequences are identified routinely via, for example, the algorithms described above and in the examples below. The said homologous sequences correspond to the homologous sequences as defined above and may comprise, for example, the sequences corresponding to the ORF sequences of 25 a bacterium belonging to the Chlamydia family, including the species Chlamydia trachomatis, Chlamydia psittaci and Chlamydia pecorum mentioned above, as well as the sequences corresponding to the ORF sequences of a bacterium belonging to the variants of the species Chlamydia pneumoniae. These homologous sequences may likewise correspond to variations linked to mutations within the same species or between species and may correspond in particular to truncations, substitutions, 30 deletions and/or additions of at least one nucleotide. The said homologous sequences may also correspond to variations linked to the degeneracy of the genetic code or to a bias in the genetic code which is specific to the family, to the species or to the variant and which are likely to be present in Chlamydia.

The invention comprises polypeptides encoded by a nucleotide sequence according to the 35 invention, preferably by a representative fragment of the sequence SEQ ID No. 1 and corresponding to an ORF sequence, in particular the Chlamydia pneumoniae polypeptides, characterized in that they are chosen from the sequences SEQ ID No. 2 to SEQ ID No. 1291 or SEQ ID No. 6844 to SEQ ID No. 6849 and representative fragments thereof. However, the invention is not limited to polypeptides encoded by ORFs in SEQ ID No. 1 and its corresponding ORF sequences, but encompasses polypeptides of strain variants, polymorphisms, allelic variants, and mutants.

Thus, the invention also comprises the polypeptides characterized in that they comprise a polypeptide chosen from:

- a) a polypeptide encoded by a polynucleotide sequence in SEQ ID No. 1 (e.g., any polypeptide encoded by a polynucleotide sequence corresponding to ORF2 to ORF1297 and/or representative fragments thereof) according to the invention;
- b) a polypeptide homologous to a polypeptide according to the invention, or as defined in a);
- 10 c) a polypeptide encoded by a polynucleotide sequence that hybridizes to SEQ ID No. 1 or ORF2 to ORF1297 under high or intermediate stringency as described below:
 - (i) By way of example and not limitation, procedures using conditions of high stringency are as follows: Prehybridization of filters containing DNA is carried out for 8 h to overnight at 65EC in buffer composed of 6X SSC, 50 mM Tris-HCl (pH 7.5), 1 mM EDTA, 0.02% PVP, 0.02% Ficoll,
- 15 0.02% BSA, and 500 μg/ml denatured salmon sperm DNA. Filters are hybridized for 48 h at 65EC, the preferred hybridization temperature, in prehybridization mixture containing 100 μg/ml denatured salmon sperm DNA and 5-20 X 10⁶ cpm of ³²P-labeled probe. Alternatively, the hybridization step can be performed at 65EC in the presence of SSC buffer, 1 x SSC corresponding to 0.15M NaCl and 0.05 M Na citrate. Subsequently, filter washes can be done at 37EC for 1 h in a solution containing
- 20 2X SSC, 0.01% PVP, 0.01% Ficoll, and 0.01% BSA, followed by a wash in 0.1X SSC at 50EC for 45 min. Alternatively, filter washes can be performed in a solution containing 2 x SSC and 0.1% SDS, or 0.5 x SSC and 0.1% SDS, or 0.1 x SSC and 0.1% SDS at 68EC for 15 minute intervals. Following the wash steps, the hybridized probes are detectable by autoradiography. Other conditions of high

stringency which may be used are well known in the art and as cited in Sambrook et al., 1989,

- 25 Molecular Cloning, A Laboratory Manual, Second Edition, Cold Spring Harbor Press, N.Y., pp. 9.47-9.57; and Ausubel et al., 1989, Current Protocols in Molecular Biology, Green Publishing Associates and Wiley Interscience, N.Y. are incorporated herein in their entirety. Preferably such polypeptide represents a homolog of a polypeptide encoded by ORF2 to ORF1297. Preferably, such sequences encode a homolog of a polypeptide encoded by one of ORF2 to ORF1297. In one embodiment, such
- 30 sequences encode a Chlamydia pneumoniae polypeptide.
- (ii) By way of example and not limitation, procedures using conditions of intermediate stringency are as follows: Filters containing DNA are prehybridized, and then hybridized at a temperature of 60EC in the presence of a 5 x SSC buffer and labeled probe. Subsequently, filters washes are performed in a solution containing 2x SSC at 50EC and the hybridized probes are detectable by autoradiography. Other conditions of intermediate stringency which may be used are well known in the art and as cited in Sambrook et al., 1989, Molecular Cloning, A Laboratory Manual,

Second Edition, Cold Spring Harbor Press, N.Y., pp. 9.47-9.57; and Ausubel et al., 1989, Current Protocols in Molecular Biology, Green Publishing Associates and Wiley Interscience, N.Y. are incorporated herein in their entirety. Preferably, such sequences encode a homolog of a polypeptide encoded by one of ORF2 to ORF1297. In one embodiment, such sequences encode a *Chlamydia pneumoniae* polypeptide.

- d) a fragment of at least 5 amino acids of a polypeptide according to the invention, or as defined in a), b) or c);
- e) a biologically active fragment of a polypeptide according to the invention, or as defined in a), b), c) or d); and
- 10 f) a modified polypeptide of a polypeptide according to the invention, as defined in a), b), c),d) or e).

In the present description, the terms polypeptide, peptide and protein are interchangeable.

It should be understood that the invention does not relate to the polypeptides in natural form, that is to say that they are not taken in their natural environment but that they may have been 15 isolated or obtained by purification from natural sources, or alternatively obtained by genetic recombination, or else by chemical synthesis and that they may, in this case, comprise nonnatural amino acids, as will be described below.

Homologous polypeptide will be understood to designate the polypeptides exhibiting, in relation to the natural polypeptide, certain modifications such as in particular a deletion, addition or substitution of at least one amino acid, a truncation, an extension, a chimeric fusion, and/or a mutation, or polypeptides exhibiting post-translational modifications. Among the homologous polypeptides, those whose amino acid sequence exhibits at least 80%, preferably 90%, homology or identity with the amino acid sequences of the polypeptides according to the invention are preferred. In the case of a substitution, one or more consecutive or nonconsecutive amino acids are replaced by "equivalent" amino acids. The expression "equivalent" amino acid is intended here to designate any amino acid capable of being substituted for one of the amino acids in the basic structure without, however, essentially modifying the biological activities of the corresponding peptides and as will be defined later.

Protein and/or nucleic acid sequence homologies may be evaluated using any of the variety of sequence comparison algorithms and programs known in the art. Such algorithms and programs include, but are by no means limited to, TBLASTN, BLASTP, FASTA, TFASTA, and CLUSTALW (Pearson and Lipman, 1988, Proc. Natl. Acad. Sci. USA 85(8):2444-2448; Altschul et al., 1990, J. Mol. Biol. 215(3):403-410; Thompson et al., 1994, Nucleic Acids Res. 22(2):4673-4680; Higgins et al., 1996, Methods Enzymol. 266:383-402; Altschul et al., 1990, J. Mol. Biol. 215(3):403-410; Altschul et al., 1993, Nature Genetics 3:266-272).

In a particularly preferred embodiment, protein and nucleic acid sequence homologies are evaluated using the Basic Local Alignment Search Tool ("BLAST") which is well know in the art (see,

10

e.g., Karlin and Altschul, 1990, Proc. Natl. Acad. Sci. USA 87:2267-2268; Altschul et al., 1990, J. Mol. Biol. 215:403-410; Altschul et al., 1993, Nature Genetics 3:266-272; Altschul et al., 1997, Nuc. Acids Res. 25:3389-3402). In particular, five specific BLAST programs are used to perform the following task:

- (1)BLASTP and BLAST3 compare an amino acid query sequence against a protein sequence database;
- (2)BLASTN compares a nucleotide query sequence against a nucleotide sequence database;
- (3)BLASTX compares the six-frame conceptual translation products of a query nucleotide sequence (both strands) against a protein sequence database;
- (4)TBLASTN compares a query protein sequence against a nucleotide sequence database translated in all six reading frames (both strands); and
- (5)TBLASTX compares the six-frame translations of a nucleotide query sequence against the six-frame translations of a nucleotide sequence database.
- 15 The BLAST programs identify homologous sequences by identifying similar segments, which are referred to herein as "high-scoring segment pairs," between a query amino or nucleic acid sequence and a test sequence which is preferably obtained from a protein or nucleic acid sequence database. High-scoring segment pairs are preferably identified (i.e., aligned) by means of a scoring matrix, many of which are known in the art. Preferably, the scoring matrix used is the BLOSUM62 matrix (Gonnet et al., 1992, Science 256:1443-1445; Henikoff and Henikoff, 1993, Proteins 17:49-61). Less preferably, the PAM or PAM250 matrices may also be used (see, e.g., Schwartz and Dayhoff, eds., 1978, Matrices for Detecting Distance Relationships: Atlas of Protein Sequence and Structure, Washington: National Biomedical Research Foundation)

The BLAST programs evaluate the statistical significance of all high-scoring segment pairs identified, and preferably selects those segments which satisfy a user-specified threshold of significance, such as a user-specified percent homology. Preferably, the statistical significance of a high-scoring segment pair is evaluated using the statistical significance formula of Karlin (see, e.g., Karlin and Altschul, 1990, Proc. Natl. Acad. Sci. USA 87:2267-2268).

Equivalent amino acids may be determined either based on their structural homology with the amino acids for which they are substituted, or on results of comparative tests of biological activity between the various polypeptides which may be carried out.

By way of example, there may be mentioned the possibilities of substitutions which may be carried out without resulting in a substantial modification of the biological activity of the corresponding modified polypeptides; the replacements, for example, of leucine with valine or isoleucine, of aspartic acid with glutamic acid, of glutamine with asparagine, of arginine with lysine, and the like, the reverse substitutions naturally being feasible under the same conditions.

The homologous polypeptides also correspond to the polypeptides encoded by the

homologous nucleotide sequences as defined above and thus comprise in the present definition the mutated polypeptides or polypeptides corresponding to inter- or intra-species variations which may exist in *Chlamydia*, and which correspond in particular to truncations, substitutions, deletions and/or additions of at least one amino acid residue.

Biologically active fragment of a polypeptide according to the invention will be understood to designate in particular a polypeptide fragment, as defined below, exhibiting at least one of the characteristics of the polypeptides according to the invention, in particular in that it is:

- capable of eliciting an immune response directed against Chlamydia pneumoniae; and/or

5

10

15

- capable of being recognized by an antibody specific for a polypeptide according to the invention;
 and/or
- capable of binding to a polypeptide or to a nucleotide sequence of Chlamydia pneumoniae; and/or
- capable of modulating, regulating, inducing or inhibiting the expression of a gene of *Chlamydia* pneumoniae or one of its associated microorganisms, and/or capable of modulating the replication cycle of *Chlamydia* pneumoniae or one of its associated microorganisms in the host cell and/or organism; and/or
- capable of generally exerting an even partial physiological activity, such as for example a structural activity (cellular envelope, ribosome), an enzymatic (metabolic) activity, a transport activity, an activity in the secretion or in the virulence.

A polypeptide fragment according to the invention is understood to designate a 20 polypeptide comprising a minimum of 5 amino acids, preferably 10 amino acids or preferably 15 amino acids. It is to be understood that such fragments refer only to portions of polypeptides encoded by ORF2 to ORF1297 that are not currently listed in a publicly available database.

The polypeptide fragments according to the invention may correspond to isolated or purified fragments which are naturally present in *Chlamydia pneumoniae* or which are secreted by *Chlamydia pneumoniae*, or may correspond to fragments capable of being obtained by cleaving the said polypeptide with a proteolytic enzyme, such as trypsin or chymotrypsin or collagenase, or with a chemical reagent, such as cyanogen bromide (CNBr) or alternatively by placing the said polypeptide in a highly acidic environment, for example at pH 2.5. Such polypeptide fragments may be equally well prepared by chemical synthesis, using hosts transformed with an expression vector according to the invention containing a nucleic acid allowing the expression of the said fragments, placed under the control of appropriate elements for regulation and/or expression.

"Modified polypeptide" of a polypeptide according to the invention is understood to designate a polypeptide obtained by genetic recombination or by chemical synthesis as will be described below, exhibiting at least one modification in relation to the normal sequence. These modifications may in particular affect amino acids responsible for a specificity or for the efficiency of the activity, or responsible for the structural conformation, for the charge or for the hydrophobicity, and for the capacity for multimerization and for membrane insertion of the polypeptide according to

10

25

30

35

the invention. It is thus possible to create polypeptides with an equivalent, an increased or a reduced activity, and with an equivalent, a narrower or a broader specificity. Among the modified polypeptides, there may be mentioned the polypeptides in which up to 5 amino acids may be modified, truncated at the N- or C-terminal end, or alternatively deleted, or else added.

As is indicated, the modifications of the polypeptide may have in particular the objective:

- of making it capable of modulating, regulating, inhibiting or inducing the expression of a gene of *Chlamydia*, in particular of *Chlamydia pneumoniae* and its variants, or one of its associated microorganisms, and/or capable of modulating the replication cycle of *Chlamydia*, in particular of *Chlamydia pneumoniae* and its variants, or one of its associated microorganisms, in the host cell and/or organism,
- of allowing its use in methods of biosynthesis or of biodegradation, or its incorporation into vaccine compositions,
- of modifying its bioavailability as a compound for therapeutic use.

The said modified polypeptides may also be used on any cell or microorganism for which the said modified polypeptides will be capable of modulating, regulating, inhibiting or inducing gene expression, or of modulating the growth or the replication cycle of the said cell or of the said microorganism. The methods allowing demonstration of the said modulations on eukaryotic or prokaryotic cells are well known to persons skilled in the art. The said cells or microorganisms will be chosen, in particular, from tumour cells or infectious microorganisms and the said modified polypeptides may be used for the prevention or treatment of pathologies linked to the presence of the said cells or of the said microorganisms. It is also clearly understood that the nucleotide sequences encoding the said modified polypeptides may be used for the said modulations, for example by the intermediacy of vectors according to the invention and which are described below, so as to prevent or to treat the said pathologies.

The above modified polypeptides may be obtained using combinatory chemistry, in which it is possible to systematically vary portions of the polypeptide before testing them on models, cell cultures or microorganisms for example, so as to select the compounds which are the most active or which exhibit the desired properties.

Chemical synthesis also has the advantage of being able to use:

- nonnatural amino acids, or
- nonpeptide bonds.

Accordingly, in order to extend the life of the polypeptides according to the invention, it may be advantageous to use nonnatural amino acids, for example in the D form, or alternatively amino acid analogues, in particular sulphur-containing forms for example.

Finally, the structure of the polypeptides according to the invention, its homologous or modified forms, as well as the corresponding fragments may be integrated into chemical structures of the polypeptide type and the like. Accordingly, it may be advantageous to provide at the N- and C-

compounds which are not recognized by proteases. terminal ends

Also forming part of the invention are the nucleotide sequences encoding a polypeptide according to the invention. Described below are ORF nucleotide sequences encoding polypeptides exhibiting particularly preferable characteristics. For each group of preferred ORFS described below, it is to be understood that in addition to the individual ORFs listed, in instances wherein such ORFS are present as part of "combined" ORFs, the "combined" ORFs are also to be included within the preferred group.

More particularly, the subject of the invention is nucleotide sequences, characterized in that they encode a polypeptide of the cellular envelope, preferably of the outer cellular envelope of 10 Chlamydia pneumoniae or one of its representative fragments, such as for example the predominant proteins of the outer membrane, the adhesion proteins or the proteins entering into the composition of the Chlamydia wall. Among these sequences, the sequences comprising a nucleotide sequence chosen from the following sequences are most preferred:

ORF15; ORF25; ORF26; ORF27; ORF28; ORF29; ORF30; ORF31; ORF32; ORF33; ORF35; 15 ORF68; ORF124; ORF275; ORF291; ORF294; ORF327; ORF342; ORF364; ORF374; ORF380; ORF414; ORF439; ORF466; ORF467; ORF468; ORF469; ORF470; ORF472; ORF474; ORF476; ORF477; ORF478; ORF480; ORF482; ORF485; ORF500; ORF501; ORF503; ORF504; ORF505; ORF506; ORF520; ORF578; ORF580; ORF581; ORF595; ORF596; ORF597; ORF737; ORF830; ORF834; ORF836; ORF893; ORF917; ORF932; ORF976; ORF1035; ORF1045; ORF1090 and one of their representative fragments.

The structure of the cytoplasmic membranes and of the wall of bacteria is dependent on the associated proteins. The structure of the cytoplasmic membrane makes it impermeable to water, to water-soluble substances and to small-sized molecules (ions, small inorganic molecules, peptides or proteins). To enter into or to interfere with a cell or a bacterium, a ligand must establish a special 25 relationship with a protein anchored in the cytoplasmic membrane (the receptor). These proteins which are anchored on the membrane play an important role in metabolism since they control the exchanges in the bacterium. These exchanges apply to molecules of interest for the bacterium (small molecules such as sugars and small peptides) as well as undesirable molecules for the bacterium such as antibiotics or heavy metals.

The double lipid layer structure of the membrane requires the proteins which are inserted therein to have hydrophobic domains of about twenty amino acids forming an alpha helix. Predominantly hydrophobic and potentially transmembrane regions may be predicted from the primary sequence of the proteins, itself deduced from the nucleotide sequence. The presence of one or more putative transmembrane domains raises the possibility for a protein to be associated with the 35 cytoplasmic membrane and to be able to play an important metabolic role therein or alternatively for the protein thus exposed to be able to exhibit potentially protective epitopes.

30

If the proteins inserted into the membrane exhibit several transmembrane domains

capable of interacting with one another via electrostatic bonds, it then becomes possible for these proteins to form pores which go across the membrane which becomes permeable for a number of substances. It should be noted that proteins which do not have transmembrane domains may also be anchored by the intermediacy of fatty acids in the cytoplasmic membrane, it being possible for the breaking of the bond between the protein and its anchor in some cases to be responsible for the release of the peptide outside the bacterium.

Preferably, the invention relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* transmembrane polypeptide or one of its representative fragments, having between 1 and 3 transmembrane domains and in that they comprise a nucleotide sequence chosen from the following sequences:

```
ORF2; ORF3; ORF6; ORF9; ORF10; ORF11; ORF13; ORF14; ORF16; ORF18; ORF19; ORF20;
   ORF21; ORF22; ORF25; ORF27; ORF28; ORF29; ORF30; ORF31; ORF32; ORF33; ORF34;
   ORF35; ORF37; ORF39; ORF41; ORF42; ORF44; ORF45; ORF46; ORF47; ORF48; ORF49;
   ORF50: ORF53: ORF54: ORF56: ORF57; ORF59; ORF60; ORF61; ORF62; ORF63: ORF64:
15 ORF65; ORF66; ORF69;; ORF72; ORF73; ORF74; ORF76; ORF77; ORF78; ORF79; ORF80;
   ORF82; ORF84; ORF85; ORF86; ORF88; ORF89; ORF90; ORF91; ORF92; ORF93; ORF95;
   ORF96; ORF98; ORF99; ORF100; ORF101; ORF102; ORF103; ORF104; ORF105; ORF106;
   ORF107; ORF108; ORF114; ORF117; ORF118; ORF122; ORF123; ORF124; ORF125; ORF129;
   ORF130: ORF131: ORF132: ORF133; ORF134; ORF135; ORF137; ORF138; ORF139; ORF140;
20 ORF141; ORF142; ORF143; ORF145; ORF146; ORF147; ORF150; ORF151; ORF152; ORF156;
   ORF157; ORF158; ORF159; ORF160; ORF161; ORF162; ORF164; ORF166; ORF167; ORF170;
   ORF173; ORF175; ORF176; ORF178; ORF179; ORF180; ORF182; ORF183; ORF184; ORF185;
   ORF186; ORF187; ORF188; ORF189; ORF190; ORF191; ORF192; ORF194; ORF195; ORF196;
   ORF197; ORF198; ORF199; ORF200; ORF201; ORF202; ORF205; ORF207; ORF208; ORF209;
25 ORF210; ORF215; ORF219; ORF220; ORF224; ORF226; ORF227; ORF228; ORF231;
    ORF232; ORF233; ORF234; ORF235; ORF236; ORF238; ORF239; ORF240; ORF241; ORF242;
    ORF244; ORF247; ORF251; ORF252; ORF253; ORF255; ORF256; ORF257; ORF258; ORF260;
    ORF262; ORF263; ORF266; ORF267; ORF268; ORF269; ORF270; ORF273; ORF274; ORF276;
    ORF278; ORF279; ORF280; ORF281; ORF282; ORF283; ORF284; ORF286; ORF287; ORF289;
30 ORF290; ORF291; ORF293; ORF294; ORF297; ORF304; ORF305; ORF307; ORF308; ORF309;
    ORF310; ORF311; ORF313; ORF314; ORF315; ORF316; ORF318; ORF319; ORF320; ORF321;
    ORF322; ORF323; ORF324; ORF325; ORF326; ORF331; ORF332; ORF336; ORF338; ORF339;
    ORF341: ORF344: ORF345: ORF346; ORF350; ORF352; ORF353; ORF356; ORF357; ORF358;
    ORF359: ORF360: ORF362; ORF365; ORF366; ORF367; ORF370; ORF372; ORF373; ORF376;
35 ORF377; ORF378; ORF381; ORF382; ORF383; ORF384; ORF385; ORF386; ORF387;
    ORF390; ORF392; ORF393; ORF394; ORF396; ORF398; ORF399; ORF400; ORF404; ORF408;
    ORF410; ORF411; ORF413; ORF416; ORF417; ORF418; ORF420; ORF422; ORF424; ORF427;
```

```
ORF428; ORF429; ORF430; ORF431; ORF433; ORF434; ORF437; ORF440; ORF441; ORF442;
   ORF443; ORF444; ORF445; ORF450; ORF451; ORF452; ORF455; ORF456; ORF459;
   ORF460; ORF461; ORF462; ORF463; ORF464; ORF465; ORF467; ORF469; ORF471; ORF474;
   ORF475; ORF476; ORF477; ORF479; ORF482; ORF483; ORF484; ORF485; ORF486; ORF487;
 5 ORF488; ORF491; ORF493; ORF494; ORF497; ORF498; ORF499; ORF503; ORF508; ORF509:
   ORF510; ORF512; ORF514; ORF515; ORF516; ORF517; ORF518; ORF520; ORF521; ORF523;
   ORF525; ORF527; ORF528; ORF529; ORF530; ORF531; ORF533; ORF534; ORF535; ORF536;
   ORF537; ORF540; ORF541; ORF543; ORF544; ORF545; ORF546; ORF548; ORF549; ORF551;
   ORF553; ORF554; ORF555; ORF556; ORF557; ORF558; ORF559; ORF560; ORF562; ORF563;
10 ORF564; ORF565; ORF566; ORF569; ORF571; ORF573; ORF576; ORF577; ORF581; ORF583;
   ORF584; ORF585; ORF586; ORF588; ORF591; ORF592; ORF594; ORF595; ORF596; ORF597;
   ORF599; ORF600; ORF603; ORF605; ORF608; ORF614; ORF615; ORF620; ORF621; ORF622;
   ORF623; ORF624; ORF625; ORF629; ORF630; ORF631; ORF633; ORF634; ORF637; ORF642;
   ORF644; ORF645; ORF647; ORF648; ORF652; ORF654; ORF655; ORF657; ORF658; ORF659;
15 ORF660; ORF661; ORF664; ORF665; ORF666; ORF667; ORF670; ORF671; ORF672; ORF673;
   ORF674; ORF676; ORF679; ORF681; ORF684; ORF687; ORF688; ORF689; ORF690; ORF693;
   ORF694; ORF695; ORF696; ORF697; ORF698; ORF699; ORF700; ORF701; ORF703; ORF705;
   ORF706; ORF707; ORF708; ORF710; ORF712; ORF715; ORF716; ORF717; ORF718; ORF719;
   ORF721; ORF722; ORF723; ORF725; ORF726; ORF727; ORF728; ORF729; ORF730; ORF731;
20 ORF733; ORF736; ORF737; ORF738; ORF740; ORF741; ORF742; ORF743; ORF747; ORF748;
   ORF750; ORF752; ORF754; ORF755; ORF756; ORF757; ORF759; ORF760; ORF761; ORF762;
   ORF763; ORF764; ORF765; ORF766; ORF767; ORF768; ORF772; ORF774; ORF775; ORF777;
   ORF781; ORF783; ORF788; ORF791; ORF792; ORF793; ORF794; ORF795; ORF796; ORF797;
   ORF798; ORF802; ORF803; ORF806; ORF807; ORF808; ORF809; ORF810; ORF811;
25 ORF813; ORF814; ORF815; ORF816; ORF817; ORF819; ORF820; ORF821; ORF823; ORF824;
   ORF827; ORF829; ORF830; ORF831; ORF833; ORF834; ORF835; ORF837; ORF844; ORF845;
   ORF846; ORF847; ORF848; ORF849; ORF850; ORF851; ORF852; ORF854; ORF855; ORF856;
   ORF857; ORF869; ORF862; ORF865; ORF866; ORF868; ORF869; ORF870; ORF871;
   ORF872; ORF874; ORF877; ORF878; ORF879; ORF880; ORF881; ORF882; ORF884; ORF885;
30 ORF888; ORF889; ORF890; ORF891; ORF892; ORF894; ORF895; ORF896; ORF897; ORF899;
   ORF900; ORF902; ORF903; ORF904; ORF905; ORF909; ORF910; ORF912; ORF913; ORF914;
   ORF915; ORF917; ORF918; ORF919; ORF921; ORF923; ORF924; ORF926; ORF927; ORF928;
   ORF929; ORF930; ORF931; ORF937; ORF938; ORF939; ORF941; ORF943; ORF948; ORF951;
   ORF952; ORF953; ORF958; ORF960; ORF963; ORF964; ORF965; ORF968; ORF970; ORF974;
35 ORF975; ORF977; ORF980; ORF981; ORF983; ORF984; ORF985; ORF987; ORF989;
   ORF992; ORF993; ORF997; ORF998; ORF999; ORF1001; ORF1002; ORF1004; ORF1005;
   ORF1009; ORF1013; ORF1014; ORF1015; ORF1016; ORF1019; ORF1021; ORF1023; ORF1024;
```

ORF1029; ORF1031; ORF1033; ORF1034; ORF1039; ORF1041; ORF1042; ORF1045; ORF1047; ORF1049; ORF1051; ORF1052; ORF1053; ORF1054; ORF1056; ORF1059; ORF1061; ORF1062; ORF1063; ORF1064; ORF1065; ORF1067; ORF1075; ORF1077; ORF1078; ORF1079; ORF1080; ORF1081; ORF1089; ORF1095; ORF1097; ORF1098; ORF1099; ORF1101; ORF1102; ORF1103; ORF1106; ORF1107; ORF1108; ORF1109; ORF1110; ORF1113; ORF1116; ORF1118; ORF1119; ORF1121; ORF1123; ORF1124; ORF1126; ORF1128; ORF1130; ORF1131; ORF1133; ORF1134; ORF1136; ORF1137 and one of their representative fragments.

Preferably, the invention relates to the nucleotide sequences according to the invention, characterized in that they encode a Chlamydia pneumoniae transmembrane polypeptide or one of its 10 representative fragments, having between 4 and 6 transmembrane domains and in that they comprise a nucleotide sequence chosen from the following sequences: ORF5; ORF7; ORF8; ORF15; ORF36; ORF38; ORF51; ORF55; ORF58; ORF67; ORF70; ORF81; ORF97; ORF110; ORF111; ORF115; ORF119; ORF126; ORF128; ORF148; ORF155; ORF163; -ORF165; ORF168; ORF169; ORF171; ORF172; ORF174; ORF177; ORF181; ORF193; ORF203; 15 ORF213; ORF214; ORF216; ORF217; ORF221; ORF222; ORF225; ORF229; ORF243; ORF246; ORF248; ORF254; ORF261; ORF285; ORF288; ORF292; ORF296; ORF298; ORF299; ORF301; ORF303; ORF317; ORF328; ORF329; ORF351; ORF354; ORF355; ORF364; ORF371; ORF374; ORF375; ORF391; ORF395; ORF401; ORF403; ORF405; ORF409; ORF414; ORF419; ORF421; ORF423; ORF425; ORF438; ORF448; ORF453; ORF458; ORF466; ORF468; ORF470; ORF480; 20 ORF489; ORF490; ORF496; ORF501; ORF504; ORF505; ORF506; ORF511; ORF513; ORF519; ORF526; ORF532; ORF538; ORF539; ORF547; ORF550; ORF561; ORF568; ORF570; ORF574; ORF578; ORF579; ORF580; ORF582; ORF589; ORF593; ORF598; ORF601; ORF604; ORF610; ORF613; ORF617; ORF626; ORF632; ORF635; ORF638; ORF640; ORF641; ORF646; ORF649; ORF650; ORF651; ORF686; ORF711; ORF724; ORF732; ORF734; ORF744; ORF745; ORF749; 25 ORF751; ORF769; ORF770; ORF771; ORF773; ORF776; ORF779; ORF780; ORF785; ORF787; ORF789; ORF801; ORF805; ORF812; ORF822; ORF825; ORF826; ORF839; ORF841; ORF843; ORF853; ORF861; ORF875; ORF876; ORF886; ORF893; ORF898; ORF906; ORF907; ORF908; ORF920; ORF922; ORF925; ORF933; ORF935; ORF936; ORF944; ORF946; ORF947; ORF954; ORF959; ORF961; ORF966; ORF967; ORF972; ORF978; ORF995; ORF996; ORF1000; ORF1003; 30 ORF1010; ORF1011; ORF1012; ORF1017; ORF1020; ORF1030; ORF1036; ORF1038; ORF1043; ORF1046; ORF1048; ORF1050; ORF1058; ORF1071; ORF1073; ORF1084; ORF1085; ORF1086; ORF1087; ORF1091; ORF1092; ORF1094; ORF1096; ORF1100; ORF1104; ORF1111; ORF1112;

Preferably, the invention also relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* transmembrane polypeptide or one of its representative fragments, having at least 7 transmembrane domains and in that they comprise a nucleotide sequence chosen from the following sequences:

ORF1114; ORF1117; ORF1122; ORF1125 and one of their representative fragments.

ORF17; ORF52; ORF68; ORF83; ORF87; ORF109; ORF112; ORF113; ORF120; ORF121; ORF127; ORF153; ORF204; ORF211; ORF218; ORF223; ORF275; ORF277; ORF295; ORF300; ORF302; ORF306; ORF327; ORF335; ORF342; ORF343; ORF347; ORF349; ORF361; ORF363; ORF369; ORF380; ORF388; ORF389; ORF397; ORF415; ORF432; ORF439; ORF446; ORF449; ORF472; ORF478; ORF500; ORF522; ORF524; ORF567; ORF575; ORF602; ORF606; ORF609; ORF636; ORF639; ORF643; ORF653; ORF668; ORF692; ORF702; ORF704; ORF713; ORF720; ORF778; ORF784; ORF800; ORF836; ORF838; ORF842; ORF864; ORF867; ORF883; ORF901; ORF916; ORF932; ORF934; ORF940; ORF942; ORF950; ORF956; ORF971; ORF973; ORF976; ORF988; ORF994; ORF1018; ORF1028; ORF1035; ORF1037; ORF1044; ORF1055; ORF1057; ORF1068; ORF1069; ORF1070; ORF1072; ORF1082; ORF1088; ORF1105; ORF1132; ORF1135 and one of their representative fragments.

Preferably, the invention relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* surface exposed polypeptide (e.g., an outer membrane protein) or one of its representative fragments, said nucleotide sequences comprising a 15 nucleotide sequence chosen from the following sequences:

ORF 15, ORF 25, ORF 26, ORF 27, ORF 28, ORF 29, ORF 30, ORF 31, ORF 32, ORF 33, ORF 35, ORF 36, ORF 1257, ORF 280, ORF 291, ORF 314, ORF 354, ORF 380, ORF 1266, ORF 466, ORF 467, ORF 468, ORF 469, ORF 470, ORF 472, ORF 474, ORF 476, ORF 477, ORF 478, ORF 479, ORF 480, ORF 482, ORF 483, ORF 485, ORF 486, ORF 500, ORF 501, ORF 503, ORF 504, ORF 505, ORF 506, ORF 507, ORF 1268, ORF 1269, ORF 543, ORF 544, ORF 578, ORF 579, ORF 580, ORF 581, ORF 595, ORF 596, ORF 597, ORF 1271, ORF 633, ORF 637, ORF 699, ORF 706, ORF 737, ORF 744, ORF 1273, ORF 751, ORF 775, ORF 776, ORF 777, ORF 793, ORF 815, ORF 830, ORF 1221, ORF 849, ORF 851, ORF 852, ORF 874, ORF 891, ORF 922, ORF 940, ORF 1231, ORF 1281, ORF 1035, ORF 1079, ORF 1087, ORF 1108, and one of their representative fragments.

Preferably, the invention relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* lipoprotein or one of its representative fragments, said nucleotide sequences comprising a nucleotide sequence chosen from the following sequences:

ORF 3, ORF 10, ORF 11, ORF 16, ORF 1254, ORF 1255, ORF 38, ORF 1256, ORF 62, ORF 85, ORF 1258, ORF 115, ORF 1151, ORF 151, ORF 1259, ORF 173, ORF 1261, ORF 186, ORF 194, ORF 205, ORF 214, ORF 216, ORF 217, ORF 238, ORF 1177, ORF 280, ORF 291, ORF 317, ORF 327, ORF 354, ORF 364, ORF 367, ORF 414, ORF 432, ORF 1192, ORF 460, ORF 1267, ORF 1268, ORF 520, ORF 536, ORF 1270, ORF 576, ORF 597, ORF 603, ORF 609, ORF 637, ORF 1272, ORF 652, ORF 1213, ORF 699, ORF 705, ORF 706, ORF 708, ORF 711, ORF 727, ORF 1274, ORF 800, ORF 814, ORF 825, ORF 829, ORF 830, ORF 831, ORF 844, ORF 849, ORF 1275, ORF 1276, ORF 1277, ORF 872, ORF 878, ORF 880, ORF 891, ORF 892, ORF 1278, ORF 1279, ORF 1280, ORF

941, ORF 942, ORF 1282, ORF 1283, ORF 952, ORF 988, ORF 998, ORF 1009, ORF 1285, ORF

30

1235, ORF 1028, ORF 1056, ORF 1070, ORF 1287, ORF 1087, ORF 1288, ORF 1289, ORF 1098, ORF 1246, ORF 1291, ORF 1108, ORF 1109, ORF 1112, ORF 1133, and one of their representative fragments.

Preferably, the invention relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* polypeptide involved in lipopolysaccharide (LPS) biosynthesis, said nucleotide sequences comprising a nucleotide sequence chosen from the following sequences: ORF 316, ORF 564, ORF 610, ORF 647, ORF 1211, ORF 688, ORF 924, and one of their representative fragments.

Preferably the invention relates to additional LPS-related nucleotide sequences according to the invention, characterized in that they encode:

- (a) a Chlamydia pneumoniae KDO (3-deoxy-D-manno-octulosonic acid)-related polypeptide or one of its representative fragments, said nucleotide sequences comprising a nucleotide sequence chosen from the following sequences: ORF 177, ORF 1156, ORF 245, ORF 767, and one of their representative fragments;
- (b) a *Chlamydia pneumoniae* phosphomannomutase-related polypeptide or one of its representative fragments, said nucleotide sequences comprising a nucleotide sequence chosen from the following sequences: ORF 74, and one of its representative fragments;
- (c) a Chlamydia pneumoniae phosphoglucomutase-related polypeptide or one of its representative fragments, said nucleotide sequences comprising a nucleotide sequence chosen from the following sequences: ORF 1286, ORF 1039, and one of their representative fragments; and
 - (d) a Chlamydia pneumoniae lipid A component-related polypeptide or one of its representative fragments, said nucleotide sequences comprising a nucleotide sequence chosen from the following sequences: ORF 689, ORF 690, ORF 691, ORF 1037, and one of their representative fragments.
 - Preferably, the invention relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* polypeptide containing RGD (Arg-Gly-Asp) attachment sites or one of its representative fragments.
 - (a) RGD-containing proteins that are outer membrane proteins, are more likely to play a role in cell attachment. ORFs that encoded a protein containing an RGD sequence and also were classified as outer membrane proteins are ORF 468 and its representative fragments.
- (b) An RGD-encoding ORF that showed homology to cds1, cds2, and copN type III virulence loci in *Chlamydia psittaci* (Hsia, R. et al. (1997), Type III secretion genes identity a putative virulence locus of Chlamydia. Molecular Microbiology 25:351-359) is ORF 350, and its representative fragments.

(c) The outer membrane of Chlamydia is made of cysteine-rich proteins that form a network of both intra and inter molecular disulfide links. This contributes to the integrity of the membrane since Chlamydia lacks the peptidoglycan layer that other gram-negative bacteria have. Cysteine-rich proteins that have the RGD sequence are also considered to be potential vaccine candidates. Cysteine-rich proteins were defined as proteins that had more than 3.0% cysteine in their primary amino acid sequence, above the mean genomic ORF cysteine content. The corresponding ORFs are: ORF 1290, ORF 1294, ORF 1296, and one of their representative fragments.

10

15

5

(d) The outer membrane of Chlamydia may also contain small proteins that have cysteines in their N- and C-terminus that may contribute to the network formed by disulfide linkages. These proteins may be anchored in the outer membrane via their N-terminus and may have their C-terminus exposed, which then can interact with the host cells. Alternatively, these proteins may be anchored in the outer membrane via both N-and C-terminus and may have regions in the middle that may be exposed which can in turn interact with the host cells. ORFs encoding polypeptides that contain cysteines in their first 30 amino acids and also contain an RGD sequence are: ORF 105, ORF 106, ORF 114, ORF 170, ORF 171, ORF 1264, ORF 268, ORF 1265, ORF 350, ORF 393, ORF 394, ORF 451, ORF 452, ORF 453, ORF 473, ORF 499, ORF 515, ORF 519, ORF 525, ORF 526, ORF 538, ORF 611, ORF 645, ORF 686, ORF 700, ORF 746, ORF 755, ORF 756, ORF 757, ORF 789, ORF 814, ORF 855, ORF 856, ORF 878, ORF 957, ORF 958, ORF 989, ORF 1290, and one of their representative fragments.

25

20

(e) RGD-containing ORFs homologous to RGD-containing ORFs from *Chlamydia* trachomatis are:

ORF 114, ORF 468, ORF 755, ORF 756, ORF 757, ORF 855, ORF 856, ORF 905, ORF 913, ORF 914, ORF 915, and one of their representative fragments.

30

Preferably, the invention relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* Type III or other, non-type III secreted polypeptide or one of its representative fragments, said nucleotide sequences comprising a nucleotide sequence chosen from the following sequences:

35 ORF 25, ORF 28, ORF 29, ORF 33, ORF 308, ORF 309, ORF 343, ORF 344, ORF 345, ORF 367, ORF 414, ORF 415, ORF 480, ORF 550, ORF 579, ORF 580, ORF 581, ORF 597, ORF 699, ORF 744, ORF 751, ORF 776, ORF 866, ORF 874, ORF 883, ORF 884, ORF 888, ORF 891, ORF 1293,

and one of their representative fragments.

Preferably, the invention relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* cell wall anchored surface polypeptide or one of its representative fragments, said nucleotide sequences comprising a nucleotide sequence chosen from the following sequences: ORF 267, ORF 271, ORF 419, ORF 590, ORF 932, ORF 1292, ORF 1295, and one of their representative fragments.

Preferably, the invention relates to the nucleotide sequences according to the invention, characterized in that they encode Chlamydia pneumoniae polypeptides not found in Chlamydia trachomatis (Blastp. P>e⁻¹⁰), said nucleotide sequences comprising a nucleotide sequence chosen from 10 the following sequences: ORF 7, ORF 8, ORF 9, ORF 16, ORF 17, ORF 18, ORF 19, ORF 20, ORF 21, ORF 22, ORF 1254, ORF 23, ORF 1255, ORF 24, ORF 1139, ORF 1140, ORF 46, ORF 47, ORF 51, ORF 60, ORF 1256, ORF 61, ORF 62, ORF 63, ORF 64, ORF 1257, ORF 65, ORF 66. ORF 67. ORF 68, ORF 1143, ORF 1145, ORF 83, ORF 84, ORF 1146, ORF 85, ORF 86, ORF 87, ORF 1258, ORF 116, ORF 117, ORF 125, ORF 1148, ORF 143, ORF 1150, ORF 1151, ORF 144, ORF 145, ORF 15 147, ORF 148, ORF 149, ORF 150, ORF 152, ORF 1259, ORF 162, ORF 166, ORF 1154, ORF 167, ORF 1261, ORF 1156, ORF 1157, ORF 178, ORF 179, ORF 1158, ORF 182, ORF 183, ORF 184, ORF 185, ORF 1159, ORF 186, ORF 1160, ORF 187, ORF 188, ORF 189, ORF 190, ORF 1161, ORF 1162, ORF 191, ORF 192, ORF 194, ORF 195, ORF 1163, ORF 196, ORF 201, ORF 202, ORF 209, ORF 212, ORF 221, ORF 224, ORF 1167, ORF 226, ORF 227, ORF 228, ORF 229, ORF 230, ORF 20 231, ORF 232, ORF 1169, ORF 1170, ORF 1171, ORF 234, ORF 235, ORF 236, ORF 1172, ORF 243, ORF 251, ORF 252, ORF 1176, ORF 253, ORF 255, ORF 254, ORF 256, ORF 1177, ORF 1178, ORF 262, ORF 263, ORF 1264, ORF 278, ORF 279, ORF 1180, ORF 280, ORF 290, ORF 291, ORF 292, ORF 296, ORF 1181, ORF 297, ORF 298, ORF 300, ORF 1265, ORF 322, ORF 324, ORF 325, ORF 370, ORF 1186, ORF 371, ORF 372, ORF 1187, ORF 373, ORF 378, ORF 1266, ORF 382, ORF 25 383, ORF 384, ORF 385, ORF 386, ORF 1188, ORF 1189, ORF 391, ORF 392, ORF 398, ORF 400, ORF 403, ORF 1191, ORF 423, ORF 435, ORF 445, ORF 450, ORF 1193, ORF 456, ORF 460, ORF 461, ORF 465, ORF 1196, ORF 471, ORF 473, ORF 475, ORF 481, ORF 484, ORF 487, ORF 488, ORF 489, ORF 490, ORF 491, ORF 492, ORF 493, ORF 494, ORF 495, ORF 496, ORF 497, ORF 498, ORF 499, ORF 502, ORF 1267, ORF 1268, ORF 508, ORF 510, ORF 509, ORF 512, ORF 515, 30 ORF 519, ORF 1197, ORF 521, ORF 1198, ORF 522, ORF 524, ORF 528, ORF 534, ORF 537, ORF 1269, ORF 1270, ORF 548, ORF 551, ORF 557, ORF 1201, ORF 1203, ORF 562, ORF 566, ORF 593, ORF 595, ORF 600, ORF 1271, ORF 604, ORF 611, ORF 612, ORF 614, ORF 616, ORF 625, ORF 627, ORF 628, ORF 629, ORF 631, ORF 641, ORF 1272, ORF 648, ORF 1212, ORF 663, ORF 685, ORF 707, ORF 714, ORF 715, ORF 716, ORF 717, ORF 722, ORF 746, ORF 1273, ORF 761, 35 ORF 764, ORF 770, ORF 1217, ORF 783, ORF 1274, ORF 803, ORF 815, ORF 1220, ORF 835, ORF 1221, ORF 844, ORF 845, ORF 846, ORF 847, ORF 848, ORF 849, ORF 850, ORF 851, ORF 1275, ORF 852, ORF 862, ORF 1276, ORF 1277, ORF 873, ORF 1223, ORF 892, ORF 919, ORF 1225,

ORF 1278, ORF 926, ORF 1228, ORF 1229, ORF 1230, ORF 1279, ORF 1281, ORF 1282, ORF 1283, ORF 948, ORF 950, ORF 949, ORF 951, ORF 980, ORF 982, ORF 1233, ORF 999, ORF 1000, ORF 1001, ORF 1002, ORF 1008, ORF 1285, ORF 1235, ORF 1016, ORF 1019, ORF 1027, ORF 1036, ORF 1241, ORF 1048, ORF 1049, ORF 1050, ORF 1053, ORF 1054, ORF 1064, ORF 1076, ORF 1091, ORF 1288, ORF 1093, ORF 1289, ORF 1101, ORF 1103, ORF 1245, ORF 1246, ORF 1247, ORF 1290, ORF 1291, ORF 1115, ORF 1116, ORF 1118, ORF 1120, ORF 1249, ORF 1121, ORF 1250, ORF 1126, ORF 1251, ORF 1127, ORF 1128, ORF 1130, ORF 1129, ORF 1131, ORF 1136, ORF 1253, ORF 1292, ORF 1294, ORF 1295, ORF 1296, and one of their representative fragments.

Preferably, the invention also relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the intermediate metabolism, in particular in the metabolism of sugars and/or of cofactors, such as for example triose phosphate isomerase or pyruvate kinase, and in that they comprise a nucleotide sequence chosen from the following sequences:

ORF2; ORF55; ORF56; ORF69; ORF75; ORF80; ORF100; ORF110; ORF114; ORF120; ORF121; ORF157; ORF160; ORF161; ORF172; ORF180; ORF181; ORF198; ORF200; ORF225; ORF248; ORF249; ORF276; ORF277; ORF318; ORF319; ORF320; ORF323; ORF331; ORF347; ORF375; ORF376; ORF381; ORF393; ORF394; ORF395; ORF396; ORF409; ORF446; ORF447; ORF448; ORF449; ORF513; ORF516; ORF571; ORF647; ORF662; ORF697; ORF718; ORF793; ORF794; ORF808; ORF809; ORF838; ORF839; ORF840; ORF853; ORF854; ORF918; ORF923; ORF929; ORF931; ORF938; ORF939; ORF958; ORF959; ORF960; ORF966; ORF995; ORF1021; ORF1040; ORF1041; ORF1042; ORF1085; ORF1100; ORF1102; ORF1117; ORF1118; ORF1119; ORF1120; ORF1135 and one of their representative fragments.

Preferably, the invention also relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the intermediate metabolism of nucleotides or nucleic acids, such as for example CTP synthetase or GMP synthetase, and in that they comprise a nucleotide sequence chosen from the following sequences:

ORF77; ORF78; ORF138; ORF189; ORF190; ORF233; ORF246; ORF338; ORF412; ORF421; 30 ORF438; ORF607; ORF648; ORF657; ORF740; ORF783; ORF967; ORF989; ORF990; ORF992; ORF1011; ORF1058; ORF1059; ORF1073; ORF1074 and one of their representative fragments.

Preferably, the invention also relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the metabolism of nucleic acids, such as for example 35 DNA polymerases or DNA topoisomerases, and in that they comprise a nucleotide sequence chosen from the following sequences:

ORF14; ORF59; ORF70; ORF71; ORF97; ORF113; ORF137; ORF141; ORF169; ORF285; ORF287;

ORF288; ORF313; ORF326; ORF358; ORF411; ORF443; ORF548; ORF569; ORF601; ORF651; ORF654; ORF658; ORF659; ORF664; ORF665; ORF694; ORF698; ORF704; ORF760; ORF762; ORF763; ORF786; ORF787; ORF788; ORF801; ORF802; ORF812; ORF819; ORF822; ORF870; ORF897; ORF898; ORF902; ORF908; ORF916; ORF954; ORF955; ORF961; ORF983; ORF996; ORF1007; ORF1012; ORF1013; ORF1014; ORF1015; ORF1038; ORF1137 and one of their representative fragments.

Preferably, the invention also relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the metabolism of amino acids or polypeptides, such as 10 for example serine hydroxymethyl transferase or the proteins which load amino acids onto transfer RNAs, and in that they comprise a nucleotide sequence chosen from the following sequences: ORF99; ORF111; ORF127; ORF134; ORF140; ORF174; ORF175; ORF176; ORF353; ORF377; ORF404; ORF523; ORF539; ORF559; ORF561; ORF586; ORF598; ORF609; ORF636; ORF687; ORF700; ORF701; ORF759; ORF790; ORF857; ORF861; ORF904; ORF936; ORF952; ORF962; ORF963; ORF964; ORF965; ORF991; ORF1003; ORF1004; ORF1005; ORF1018; ORF1067; ORF1110; ORF1111; ORF1112; ORF1114; ORF1121; ORF1122; ORF1123; ORF1124; ORF1125 and one of their representative fragments.

Preferably, the invention also relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the metabolism of polypeptides, such as for example protein kinases or proteases, and in that they comprise a nucleotide sequence chosen from the following sequences:

ORF4; ORF44; ORF45; ORF48; ORF54; ORF112; ORF130; ORF155; ORF163; ORF212; ORF257; ORF307; ÓRF343; ORF405; ORF416; ORF458; ORF540; ORF541; ORF542; ORF543; ORF544; ORF560; ORF594; ORF652; ORF699; ORF723; ORF747; ORF817; ORF827; ORF871; ORF909; ORF910; ORF911; ORF912; ORF1023; ORF1051; ORF1052; ORF1081 and one of their representative fragments.

Preferably, the invention also relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the metabolism of fatty acids, such as for example succinyl-CoA-synthesizing proteins or phosphatidylserine synthetase, and in that they comprise a nucleotide sequence chosen from the following sequences:

ORF76; ORF284; ORF308; ORF309; ORF310; ORF311; ORF312; ORF425; ORF433; ORF565; ORF688; ORF690; ORF691; ORF767; ORF797; ORF894; ORF895; ORF994; ORF1020; ORF1030; ORF1033; ORF1034; ORF1046; ORF1047; ORF1057 and one of their representative fragments.

Preferably, the invention also relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* polypeptide or one of its

representative fragments which is involved in the synthesis of the wall, such as for example KDO transferase, and the proteins responsible for the attachment of certain sugars onto the exposed proteins, and in that they comprise a nucleotide sequence chosen from the following sequences:

ORF49; ORF50; ORF177; ORF178; ORF245; ORF610; ORF972; ORF974; ORF978; ORF1037 and one of their representative fragments.

Preferably, the invention also relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the transcription, translation and/or maturation process, such as for example initiation factors, RNA polymerases or certain chaperone proteins, and in that they comprise a nucleotide sequence chosen from the following sequences:

ORF90; ORF92; ORF131; ORF151; ORF199; ORF333; ORF334; ORF336; ORF379; ORF589; ORF590; ORF619; ORF630; ORF649; ORF739; ORF741; ORF806; ORF821; ORF843; ORF968; ORF971; ORF1061 and one of their representative fragments.

Preferably, the invention also relates to the nucleotide sequences according to the 15 invention, characterized in that they encode a *Chlamydia pneumoniae* ribosomal polypeptide or one of its representative fragments, such as for example the ribosomal proteins L21, L27 and S10, and in that they comprise a nucleotide sequence chosen from the following sequences:

ORF93; ORF94; ORF95; ORF136; ORF259; ORF332; ORF348; ORF583; ORF584; ORF588; ORF591; ORF592; ORF663; ORF666; ORF667; ORF669; ORF670; ORF671; ORF672; ORF673; ORF674; ORF675; ORF676; ORF677; ORF678; ORF679; ORF680; ORF681; ORF683; ORF684;

ORF738; ORF1008; ORF1024; ORF1025; ORF1066 and one of their representative fragments.

Preferably, the invention also relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* transport polypeptide or one of its representative fragments, such as for example the proteins for transporting amino acids, sugars and certain oligopeptides, and in that they comprise a nucleotide sequence chosen from the following sequences:

ORF40; ORF41; ORF52; ORF105; ORF106; ORF107; ORF109; ORF133; ORF210; ORF211; ORF214; ORF215; ORF216; ORF217; ORF218; ORF219; ORF220; ORF223; ORF242; ORF260; ORF293; ORF299; ORF366; ORF369; ORF575; ORF602; ORF638; ORF639; ORF640; ORF643; ORF653; ORF702; ORF703; ORF724; ORF732; ORF855; ORF856; ORF901; ORF906; ORF933; ORF942; ORF1043; ORF1086; ORF1105 and one of their representative fragments.

Preferably, the invention also relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the virulence process, such as for example the proteins analogous to the *Escherichia coli* vacB protein, and in that they comprise a nucleotide sequence chosen from the following sequences:

ORF546; ORF550; ORF778; ORF779; ORF886 and one of their representative fragments.

Preferably, the invention also relates to the nucleotide sequences according to the invention, characterized in that they encode a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the secretory system and/or which is secreted, such as for example proteins homologous to proteins in the secretory system of certain bacteria such as the Salmonellae or the Yersiniae, and in that they comprise a nucleotide sequence chosen from the following sequences:

ORF751; ORF874; ORF875; ORF876; ORF883; ORF884; ORF885 and one of their representative fragments.

Preferably, the invention also relates to a nucleotide sequence according to the invention, characterized in that they encode a polypeptide specific to *Chlamydia pneumoniae* or one of its representative fragments (with a Blast E value of >10⁻⁵), and in that they comprise a nucleotide sequence chosen from the following sequences:

ORF7; ORF8; ORF17; ORF18; ORF19; ORF20; ORF22; ORF23; ORF24; ORF51; ORF60; ORF63; 15 - ORF65; ORF66; ORF67; ORF83; ORF84; ORF86; ORF87; ORF125; ORF143; ORF144; ORF179; ORF182; ORF184; ORF185; ORF187; ORF221; ORF252; ORF254;; ORF278; ORF279; ORF387; ORF388; ORF397; ORF1048; ORF1049; ORF1050; ORF1128; ORF1130; ORF1131 and one of their representative fragments.

Also forming part of the invention are polypeptides encoded by the polynucleotides of the invention, as well as fusion polypeptides comprising such polypeptides. In one embodiment, the polypeptides and fusion polypeptides immunoreact with seropositive serum of an individual infected with *Chlamydia pneumoniae*. For example, described below, are polypeptide sequences exhibiting particularly preferable characteristics. For each group of preferred polypeptides described below, it is to be understood that in addition to the individual polypeptides listed, in instances wherein such polypeptides are encoded as part of "combined" ORFs, such "combined" polypeptides are also to be included within the preferred group.

The subject of the invention is also a polypeptide according to the invention, characterized in that it is a polypeptide of the cellular envelope, preferably of the outer cellular envelope, of *Chlamydia pneumoniae* or one of its representative fragments. According to the 30 invention, the said polypeptide is preferably chosen from the polypeptides having the following sequences:

SEQ ID No. 15; SEQ ID No. 25; SEQ ID No. 26; SEQ ID No. 27; SEQ ID No. 28; SEQ ID No. 29; SEQ ID No. 30; SEQ ID No. 31; SEQ ID No. 32; SEQ ID No. 33; SEQ ID No. 35; SEQ ID No. 68; SEQ ID No. 124; SEQ ID No. 275; SEQ ID No. 291; SEQ ID No. 294; SEQ ID No. 327; SEQ ID No. 342; SEQ ID No. 364; SEQ ID No. 374; SEQ ID No. 380; SEQ ID No. 414; SEQ ID No. 439; SEQ ID No. 466; SEQ ID No. 467; SEQ ID No. 468; SEQ ID No. 469; SEQ ID No. 470; SEQ ID No. 472; SEQ ID No. 474; SEQ ID No. 476; SEQ ID No. 477; SEQ ID No. 478; SEQ ID No. 479;

SEQ ID No. 480; SEQ ID No. 482; SEQ ID No. 485; SEQ ID No. 500; SEQ ID No. 501;
SEQ ID No. 503; SEQ ID No. 504; SEQ ID No. 505; SEQ ID No. 506; SEQ ID No. 520; SEQ ID No. 578; SEQ ID No. 580; SEQ ID No. 581; SEQ ID No. 595; SEQ ID No. 596; SEQ ID No. 597;
SEQ ID No. 737; SEQ ID No. 830; SEQ ID No. 834; SEQ ID No. 836; SEQ ID No. 893; SEQ ID No. 917; SEQ ID No. 932; SEQ ID No. 976; SEQ ID No. 1035; SEQ ID No. 1045; SEQ ID No. 1090 and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* transmembrane polypeptide or one of its representative fragments, having between 1 and 3 transmembrane domains, and in that it is chosen 10 from the polypeptides having the following sequences:

SEQ ID No. 2; SEQ ID No. 3; SEQ ID No. 6; SEQ ID No. 9; SEQ ID No. 10; SEQ ID No. 11; SEQ ID No. 13; SEQ ID No. 14; SEQ ID No. 16; SEQ ID No. 18; SEQ ID No. 19; SEQ ID No. 20; SEQ ID No. 21; SEQ ID No. 22; SEQ ID No. 25; SEQ ID No. 27; SEQ ID No. 28; SEQ ID No. 29; SEQ ID No. 30; SEQ ID No. 31; SEQ ID No. 32; SEQ ID No. 33; SEQ ID No. 34; 15 SEQ ID No. 35; SEQ ID No. 37; SEQ ID No. 39; SEQ ID No. 41; SEQ ID No. 42; SEQ ID No. 44; SEQ ID No. 45; SEQ ID No. 46; SEQ ID No. 47; SEQ ID No. 48; SEQ ID No. 49; SEQ ID No. 50; SEQ ID No. 53; SEQ ID No. 54; SEQ ID No. 56; SEQ ID No. 57; SEQ ID No. 59; SEQ ID No. 60; SEQ ID No. 61; SEQ ID No. 62; SEQ ID No. 63; SEQ ID No. 64; SEQ ID No. 65; SEQ ID No. 66; SEQ ID No. 69;; SEQ ID No. 72; SEQ ID No. 73; SEQ ID 20 No. 74; SEQ ID No. 76; SEQ ID No. 77; SEQ ID No. 78; SEQ ID No. 79; SEQ ID No. 80; SEQ ID No. 82; SEQ ID No. 84; SEQ ID No. 85; SEQ ID No. 86; SEQ ID No. 88; SEQ ID No. 89; SEQ ID No. 90; SEQ ID No. 91; SEQ ID No. 92; SEQ ID No. 93; SEQ ID No. 95; SEQ ID No. 96; SEQ ID No. 98; SEQ ID No. 99; SEQ ID No. 100; SEQ ID No. 101; SEQ ID No. 102; SEQ ID No. 103; SEQ ID No. 104; SEQ ID No. 105; SEQ ID No. 106; SEQ ID No. 107; 25 SEQ ID No. 108; SEQ ID No. 114; SEQ ID No. 117; SEQ ID No. 118; SEQ ID No. 122; SEQ ID No. 123; SEQ ID No. 124; SEQ ID No. 125; SEQ ID No. 129; SEQ ID No. 130; SEQ ID No. 131; SEQ ID No. 132; SEQ ID No. 133; SEQ ID No. 134; SEQ ID No. 135; SEQ ID No. 137; SEQ ID No. 138; SEQ ID No. 139; SEQ ID No. 140; SEQ ID No. 141; SEQ ID No. 142; SEQ ID No. 143; SEQ ID No. 145; SEQ ID No. 146; SEQ ID No. 147; SEQ ID No. 150; SEQ ID No. 151; SEQ ID 30 No. 152; SEQ ID No. 156; SEQ ID No. 157; SEQ ID No. 158; SEQ ID No. 159; SEQ ID No. 160; SEQ ID No. 161; SEQ ID No. 162; SEQ ID No. 164; SEQ ID No. 166; SEQ ID No. 167; SEQ ID No. 170; SEQ ID No. 173; SEQ ID No. 175; SEQ ID No. 176; SEQ ID No. 178; SEQ ID No. 179; SEQ ID No. 180; SEQ ID No. 182; SEQ ID No. 183; SEQ ID No. 184; SEQ ID No. 185; SEQ ID No. 186; SEQ ID No. 187; SEQ ID No. 188; SEQ ID No. 189; SEQ ID No. 190; SEQ ID No. 191; 35 SEQ ID No. 192; SEQ ID No. 194; SEQ ID No. 195; SEQ ID No. 196; SEQ ID No. 197; SEQ ID No. 198; SEQ ID No. 199; SEQ ID No. 200; SEQ ID No. 201; SEQ ID No. 202; SEQ ID No. 205; SEQ ID No. 207; SEQ ID No. 208; SEQ ID No. 209; SEQ ID No. 210; SEQ ID No. 212; SEQ ID

No. 215; SEQ ID No. 219; SEQ ID No. 220; SEQ ID No. 224; SEQ ID No. 226; SEQ ID No. 227; SEQ ID No. 228; SEQ ID No. 231; SEQ ID No. 232; SEQ ID No. 233; SEQ ID No. 234; SEQ ID No. 235; SEQ ID No. 236; SEQ ID No. 238; SEQ ID No. 239; SEQ ID No. 240; SEQ ID No. 241; SEQ ID No. 242; SEQ ID No. 244; SEQ ID No. 247; SEQ ID No. 251; SEQ ID No. 252; 5 SEQ ID No. 253; SEQ ID No. 255; SEQ ID No. 256; SEQ ID No. 257; SEQ ID No. 258; SEQ ID No. 260; SEQ ID No. 262; SEQ ID No. 263; SEQ ID No. 266; SEQ ID No. 267; SEQ ID No. 268; SEQ ID No. 269; SEQ ID No. 270; SEQ ID No. 273; SEQ ID No. 274; SEQ ID No. 276; SEQ ID No. 278; SEQ ID No. 279; SEQ ID No. 280; SEQ ID No. 281; SEQ ID No. 282; SEQ ID No. 283; SEQ ID No. 284; SEQ ID No. 286; SEQ ID No. 287; SEQ ID No. 289; SEQ ID No. 290; SEQ ID 10 No. 291; SEQ ID No. 293; SEQ ID No. 294; SEQ ID No. 297; SEQ ID No. 304; SEQ ID No. 305; SEQ ID No. 307; SEQ ID No. 308; SEQ ID No. 309; SEQ ID No. 310; SEQ ID No. 311; SEQ ID No. 313; SEQ ID No. 314; SEQ ID No. 315; SEQ ID No. 316; SEQ ID No. 318; SEQ ID No. 319; SEQ ID No. 320; SEQ ID No. 321; SEQ ID No. 322; SEQ ID No. 323; SEQ ID No. 324; SEQ ID No. 325; SEQ ID No. 326; SEQ ID No. 331; SEQ ID No. 332; SEQ ID No. 336; SEQ ID No. 338; 15 -SEQ ID No. 339; SEQ ID No. 341; SEQ ID No. 344; SEQ ID No. 345; SEQ ID No. 346; SEQ ID No. 350; SEQ ID No. 352; SEQ ID No. 353; SEQ ID No. 356; SEQ ID No. 357; SEQ ID No. 358; SEQ ID No. 359; SEQ ID No. 360; SEQ ID No. 362; SEQ ID No. 365; SEQ ID No. 366; SEQ ID No. 367; SEQ ID No. 370; SEQ ID No. 372; SEQ ID No. 373; SEQ ID No. 376; SEQ ID No. 377; SEQ ID No. 378; SEQ ID No. 379; SEQ ID No. 381; SEQ ID No. 382; SEQ ID No. 383; SEQ ID 20 No. 384; SEQ ID No. 385; SEQ ID No. 386; SEQ ID No. 387; SEQ ID No. 390; SEQ ID No. 392; SEQ ID No. 393; SEQ ID No. 394; SEQ ID No. 396; SEQ ID No. 398; SEQ ID No. 399; SEQ ID No. 400; SEQ ID No. 404; SEQ ID No. 408; SEQ ID No. 410; SEQ ID No. 411; SEQ ID No. 413; SEQ ID No. 416; SEQ ID No. 417; SEQ ID No. 418; SEQ ID No. 420; SEQ ID No. 422; SEQ ID No. 424; SEQ ID No. 427; SEQ ID No. 428; SEQ ID No. 429; SEQ ID No. 430; SEQ ID No. 431; 25 SEQ ID No. 433; SEQ ID No. 434; SEQ ID No. 437; SEQ ID No. 440; SEQ ID No. 441; SEQ ID No. 442; SEQ ID No. 443; SEQ ID No. 444; SEQ ID No. 445; SEQ ID No. 447; SEQ ID No. 450; SEQ ID No. 451; SEQ ID No. 452; SEQ ID No. 455; SEQ ID No. 456; SEQ ID No. 459; SEQ ID No. 460; SEQ ID No. 461; SEQ ID No. 462; SEQ ID No. 463; SEQ ID No. 464; SEQ ID No. 465; SEQ ID No. 467; SEQ ID No. 469; SEQ ID No. 471; SEQ ID No. 474; SEQ ID No. 475; SEQ ID 30 No. 476; SEQ ID No. 477; SEQ ID No. 479; SEQ ID No. 482; SEQ ID No. 483; SEQ ID No. 484; SEQ ID No. 485; SEQ ID No. 486; SEQ ID No. 487; SEQ ID No. 488; SEQ ID No. 491; SEQ ID No. 493; SEQ ID No. 494; SEQ ID No. 497; SEQ ID No. 498; SEQ ID No. 499; SEQ ID No. 503; SEQ ID No. 508; SEQ ID No. 509; SEQ ID No. 510; SEQ ID No. 512; SEQ ID No. 514; SEQ ID No. 515; SEQ ID No. 516; SEQ ID No. 517; SEQ ID No. 518; SEQ ID No. 520; SEQ ID No. 521; 35 SEQ ID No. 523; SEQ ID No. 525; SEQ ID No. 527; SEQ ID No. 528; SEQ ID No. 529; SEQ ID No. 530; SEQ ID No. 531; SEQ ID No. 533; SEQ ID No. 534; SEQ ID No. 535; SEQ ID No. 536; SEQ ID No. 537; SEQ ID No. 540; SEQ ID No. 541; SEQ ID No. 543; SEQ ID No. 544; SEQ ID

No. 545; SEQ ID No. 546; SEQ ID No. 548; SEQ ID No. 549; SEQ ID No. 551; SEQ ID No. 553; SEQ ID No. 554; SEQ ID No. 555; SEQ ID No. 556; SEQ ID No. 557; SEQ ID No. 558; SEQ ID No. 559; SEQ ID No. 560; SEQ ID No. 562; SEQ ID No. 563; SEQ ID No. 564; SEQ ID No. 565; SEQ ID No. 566; SEQ ID No. 569; SEQ ID No. 571; SEQ ID No. 573; SEQ ID No. 576; 5 SEQ ID No. 577; SEQ ID No. 581; SEQ ID No. 583; SEQ ID No. 584; SEQ ID No. 585; SEQ ID No. 586; SEQ ID No. 588; SEQ ID No. 591; SEQ ID No. 592; SEQ ID No. 594; SEQ ID No. 595; SEQ ID No. 596; SEQ ID No. 597; SEQ ID No. 599; SEQ ID No. 600; SEQ ID No. 603; SEQ ID No. 605; SEQ ID No. 608; SEQ ID No. 614; SEQ ID No. 615; SEQ ID No. 620; SEQ ID No. 621; SEQ ID No. 622; SEQ ID No. 623; SEQ ID No. 624; SEQ ID No. 625; SEQ ID No. 629; SEQ ID 10 No. 630; SEQ ID No. 631; SEQ ID No. 633; SEQ ID No. 634; SEQ ID No. 637; SEQ ID No. 642; SEQ ID No. 644; SEQ ID No. 645; SEQ ID No. 647; SEQ ID No. 648; SEQ ID No. 652; SEQ ID No. 654; SEQ ID No. 655; SEQ ID No. 657; SEQ ID No. 658; SEQ ID No. 659; SEQ ID No. 660; SEQ ID No. 661; SEQ ID No. 664; SEQ ID No. 665; SEQ ID No. 666; SEQ ID No. 667; SEQ ID No. 670; SEQ ID No. 671; SEQ ID No. 672; SEQ ID No. 673; SEQ ID No. 674; SEQ ID No. 676; 15 SEQ ID No. 679; SEQ ID No. 681; SEQ ID No. 684; SEQ ID No. 687; SEQ ID No. 688; SEQ ID No. 689; SEQ ID No. 690; SEQ ID No. 693; SEQ ID No. 694; SEQ ID No. 695; SEQ ID No. 696; SEQ ID No. 697; SEQ ID No. 698; SEQ ID No. 699; SEQ ID No. 700; SEQ ID No. 701; SEQ ID No. 703; SEQ ID No. 705; SEQ ID No. 706; SEQ ID No. 707; SEQ ID No. 708; SEQ ID No. 710; SEQ ID No. 712; SEQ ID No. 715; SEQ ID No. 716; SEQ ID No. 717; SEQ ID No. 718; SEQ ID 20 No. 719; SEQ ID No. 721; SEQ ID No. 722; SEQ ID No. 723; SEQ ID No. 725; SEQ ID No. 726; SEQ ID No. 727; SEQ ID No. 728; SEQ ID No. 729; SEQ ID No. 730; SEQ ID No. 731; SEQ ID No. 733; SEQ ID No. 736; SEQ ID No. 737; SEQ ID No. 738; SEQ ID No. 740; SEQ ID No. 741; SEQ ID No. 742; SEQ ID No. 743; SEQ ID No. 747; SEQ ID No. 748; SEQ ID No. 750; SEQ ID No. 752; SEQ ID No. 754; SEQ ID No. 755; SEQ ID No. 756; SEQ ID No. 757; SEQ ID No. 759; 25 SEQ ID No. 760; SEQ ID No. 761; SEQ ID No. 762; SEQ ID No. 763; SEQ ID No. 764; SEQ ID No. 765; SEQ ID No. 766; SEQ ID No. 767; SEQ ID No. 768; SEQ ID No. 772; SEQ ID No. 774; SEQ ID No. 775; SEQ ID No. 777; SEQ ID No. 781; SEQ ID No. 783; SEQ ID No. 788; SEQ ID No. 791; SEQ ID No. 792; SEQ ID No. 793; SEQ ID No. 794; SEQ ID No. 795; SEQ ID No. 796; SEQ ID No. 797; SEQ ID No. 798; SEQ ID No. 799; SEQ ID No. 802; SEQ ID No. 803; SEQ ID 30 No. 806; SEQ ID No. 807; SEQ ID No. 808; SEQ ID No. 809; SEQ ID No. 810; SEQ ID No. 811; SEQ ID No. 813; SEQ ID No. 814; SEQ ID No. 815; SEQ ID No. 816; SEQ ID No. 817; SEQ ID No. 819; SEQ ID No. 820; SEQ ID No. 821; SEQ ID No. 823; SEQ ID No. 824; SEQ ID No. 827; SEQ ID No. 829; SEQ ID No. 830; SEQ ID No. 831; SEQ ID No. 833; SEQ ID No. 834; SEQ ID No. 835; SEQ ID No. 837; SEQ ID No. 844; SEQ ID No. 845; SEQ ID No. 846; SEQ ID No. 847; 35 SEQ ID No. 848; SEQ ID No. 849; SEQ ID No. 850; SEQ ID No. 851; SEQ ID No. 852; SEQ ID No. 854; SEQ ID No. 855; SEQ ID No. 856; SEQ ID No. 857; SEQ ID No. 859; SEQ ID No. 860; SEQ ID No. 862; SEQ ID No. 865; SEQ ID No. 866; SEQ ID No. 868; SEQ ID No. 869; SEQ ID

No. 870; SEQ ID No. 871; SEQ ID No. 872; SEQ ID No. 874; SEQ ID No. 877; SEQ ID No. 878; SEQ ID No. 879; SEQ ID No. 880; SEQ ID No. 881; SEQ ID No. 882; SEQ ID No. 884; SEQ ID No. 885; SEQ ID No. 888; SEQ ID No. 889; SEQ ID No. 890; SEQ ID No. 891; SEQ ID No. 892; SEQ ID No. 894; SEQ ID No. 895; SEQ ID No. 896; SEQ ID No. 897; SEQ ID No. 899; 5 SEQ ID No. 900; SEQ ID No. 902; SEQ ID No. 903; SEQ ID No. 904; SEQ ID No. 905; SEQ ID No. 909; SEQ ID No. 910; SEQ ID No. 912; SEQ ID No. 913; SEQ ID No. 914; SEQ ID No. 915; SEQ ID No. 917; SEQ ID No. 918; SEQ ID No. 919; SEQ ID No. 921; SEQ ID No. 923; SEQ ID No. 924; SEQ ID No. 926; SEQ ID No. 927; SEQ ID No. 928; SEQ ID No. 929; SEQ ID No. 930; SEQ ID No. 931; SEQ ID No. 937; SEQ ID No. 938; SEQ ID No. 939; SEQ ID No. 941; SEQ ID 10 No. 943; SEQ ID No. 948; SEQ ID No. 951; SEQ ID No. 952; SEQ ID No. 953; SEQ ID No. 958; SEQ ID No. 960; SEQ ID No. 963; SEQ ID No. 964; SEQ ID No. 965; SEQ ID No. 968; SEQ ID No. 970; SEQ ID No. 974; SEQ ID No. 975; SEQ ID No. 977; SEQ ID No. 979; SEQ ID No. 980; SEQ ID No. 981; SEQ ID No. 983; SEQ ID No. 984; SEQ ID No. 985; SEQ ID No. 987; SEQ ID No. 989; SEQ ID No. 992; SEQ ID No. 993; SEQ ID No. 997; SEQ ID No. 998; SEQ ID No. 999; 15. SEQ ID No. 1001; SEQ ID No. 1002; SEQ ID No. 1004; SEQ ID No. 1005; SEQ ID No. 1009; SEQ ID No. 1013; SEQ ID No. 1014; SEQ ID No. 1015; SEQ ID No. 1016; SEQ ID No. 1019; SEQ ID No. 1021; SEQ ID No. 1023; SEQ ID No. 1024; SEQ ID No. 1029; SEQ ID No. 1031; SEQ ID No. 1033; SEQ ID No. 1034; SEQ ID No. 1039; SEQ ID No. 1041; SEQ ID No. 1042; SEQ ID No. 1045; SEQ ID No. 1047; SEQ ID No. 1049; SEQ ID No. 1051; SEQ ID No. 1052; 20 SEQ ID No. 1053; SEQ ID No. 1054; SEQ ID No. 1056; SEQ ID No. 1059; SEQ ID No. 1061; SEQ ID No. 1062; SEQ ID No. 1063; SEQ ID No. 1064; SEQ ID No. 1065; SEQ ID No. 1067; SEQ ID No. 1075; SEQ ID No. 1077; SEQ ID No. 1078; SEQ ID No. 1079; SEQ ID No. 1080; SEQ ID No. 1081; SEQ ID No. 1089; SEQ ID No. 1095; SEQ ID No. 1097; SEQ ID No. 1098; SEQ ID No. 1099; SEQ ID No. 1101; SEQ ID No. 1102; SEQ ID No. 1103; SEQ ID No. 1106; 25 SEQ ID No. 1107; SEQ ID No. 1108; SEQ ID No. 1109; SEQ ID No. 1110; SEQ ID No. 1113; SEQ ID No. 1116; SEQ ID No. 1118; SEQ ID No. 1119; SEQ ID No. 1121; SEQ ID No. 1123; SEQ ID No. 1124; SEQ ID No. 1126; SEQ ID No. 1128; SEQ ID No. 1130; SEQ ID No. 1131; SEQ ID No. 1133; SEQ ID No. 1134; SEQ ID No. 1136; SEQ ID No. 1137 and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* transmembrane polypeptide or one of its respective fragments, having between 4 and 6 transmembrane domains, and in that it is chosen from the polypeptides having the following sequences:

SEQ ID No. 5; SEQ ID No. 7; SEQ ID No. 8; SEQ ID No. 15; SEQ ID No. 36; SEQ ID No. 38; SEQ ID No. 51; SEQ ID No. 55; SEQ ID No. 58; SEQ ID No. 67; SEQ ID No. 70; SEQ ID No. 81; SEQ ID No. 97; SEQ ID No. 110; SEQ ID No. 111; SEQ ID No. 115; SEQ ID No. 119; SEQ ID-No. 126; SEQ ID No. 128; SEQ ID No. 148; SEQ ID No. 155; SEQ ID No. 163; SEQ ID

No. 165; SEQ ID No. 168; SEQ ID No. 169; SEQ ID No. 171; SEQ ID No. 172; SEQ ID No. 174; SEQ ID No. 177; SEQ ID No. 181; SEQ ID No. 193; SEQ ID No. 203; SEQ ID No. 213; SEQ ID No. 214; SEQ ID No. 216; SEQ ID No. 217; SEQ ID No. 221; SEQ ID No. 222; SEQ ID No. 225; SEQ ID No. 229; SEQ ID No. 243; SEQ ID No. 246; SEQ ID No. 248; SEQ ID No. 254; 5 SEQ ID No. 261; SEQ ID No. 285; SEQ ID No. 288; SEQ ID No. 292; SEQ ID No. 296; SEQ ID No. 298; SEQ ID No. 299; SEQ ID No. 301; SEQ ID No. 303; SEQ ID No. 317; SEQ ID No. 328; SEQ ID No. 329; SEQ ID No. 351; SEQ ID No. 354; SEQ ID No. 355; SEQ ID No. 364; SEQ ID No. 371; SEQ ID No. 374; SEQ ID No. 375; SEQ ID No. 391; SEQ ID No. 395; SEQ ID No. 401; SEQ ID No. 403; SEQ ID No. 405; SEQ ID No. 409; SEQ ID No. 414; SEQ ID No. 419; SEQ ID 10 No. 421; SEQ ID No. 423; SEQ ID No. 425; SEQ ID No. 438; SEQ ID No. 448; SEQ ID No. 453; SEQ ID No. 458; SEQ ID No. 466; SEQ ID No. 468; SEQ ID No. 470; SEQ ID No. 480; SEQ ID No. 489; SEQ ID No. 490; SEQ ID No. 496; SEQ ID No. 501; SEQ ID No. 504; SEQ ID No. 505; SEQ ID No. 506; SEQ ID No. 511; SEQ ID No. 513; SEQ ID No. 519; SEQ ID No. 526; SEQ ID No. 532; SEQ ID No. 538; SEQ ID No. 539; SEQ ID No. 547; SEQ ID No. 550; SEQ ID No. 561; 15 SEQ ID No. 568; SEQ ID No. 570; SEQ ID No. 574; SEQ ID No. 578; SEQ ID No. 579; SEQ ID No. 580; SEQ ID No. 582; SEQ ID No. 589; SEQ ID No. 593; SEQ ID No. 598; SEQ ID No. 601; SEQ ID No. 604; SEQ ID No. 610; SEQ ID No. 613; SEQ ID No. 617; SEQ ID No. 626; SEQ ID No. 632; SEQ ID No. 635; SEQ ID No. 638; SEQ ID No. 640; SEQ ID No. 641; SEQ ID No. 646; SEQ ID No. 649; SEQ ID No. 650; SEQ ID No. 651; SEQ ID No. 686; SEQ ID No. 711; SEQ ID 20 No. 724; SEQ ID No. 732; SEQ ID No. 734; SEQ ID No. 744; SEQ ID No. 745; SEQ ID No. 749; SEQ ID No. 751; SEQ ID No. 769; SEQ ID No. 770; SEQ ID No. 771; SEQ ID No. 773; SEQ ID No. 776; SEQ ID No. 779; SEQ ID No. 780; SEQ ID No. 785; SEQ ID No. 787; SEQ ID No. 789; SEQ ID No. 801; SEQ ID No. 805; SEQ ID No. 812; SEQ ID No. 822; SEQ ID No. 825; SEQ ID No. 826; SEQ ID No. 839; SEQ ID No. 841; SEQ ID No. 843; SEQ ID No. 853; SEQ ID No. 861; 25 SEQ ID No. 875; SEQ ID No. 876; SEQ ID No. 886; SEQ ID No. 893; SEQ ID No. 898; SEQ ID No. 906; SEQ ID No. 907; SEQ ID No. 908; SEQ ID No. 920; SEQ ID No. 922; SEQ ID No. 925; SEQ ID No. 933; SEQ ID No. 935; SEQ ID No. 936; SEQ ID No. 944; SEQ ID No. 946; SEQ ID No. 947; SEQ ID No. 954; SEQ ID No. 959; SEQ ID No. 961; SEQ ID No. 966; SEQ ID No. 967; SEQ ID No. 972; SEQ ID No. 978; SEQ ID No. 995; SEQ ID No. 996; SEQ ID No. 1000; SEQ ID 30 No. 1003; SEQ ID No. 1010; SEQ ID No. 1011; SEQ ID No. 1012; SEQ ID No. 1017; SEQ ID No. 1020; SEQ ID No. 1030; SEQ ID No. 1036; SEQ ID No. 1038; SEQ ID No. 1043; SEQ ID No. 1046; SEQ ID No. 1048; SEQ ID No. 1050; SEQ ID No. 1058; SEQ ID No. 1071; SEQ ID No. 1073; SEQ ID No. 1084; SEQ ID No. 1085; SEQ ID No. 1086; SEQ ID No. 1087; SEQ ID No. 1091; SEQ ID No. 1092; SEQ ID No. 1094; SEQ ID No. 1096; SEQ ID No. 1100; SEQ ID 35 No. 1104; SEQ ID No. 1111; SEQ ID No. 1112; SEQ ID No. 1114; SEQ ID No. 1117; SEQ ID No. 1122; SEQ ID No. 1125 and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention,

characterized in that it is a *Chlamydia pneumoniae* transmembrane polypeptide or one of its representative fragments, having at least 7 transmembrane domains, and in that it is chosen from the polypeptides having the following sequences:

SEQ ID No. 17; SEQ ID No. 52; SEQ ID No. 68; SEQ ID No. 83; SEQ ID No. 87; SEQ ID No. 109; 5 SEO ID No. 112; SEQ ID No. 113; SEQ ID No. 120; SEQ ID No. 121; SEQ ID No. 127; SEQ ID No. 153; SEQ ID No. 204; SEQ ID No. 211; SEQ ID No. 218; SEQ ID No. 223; SEQ ID No. 275; SEO ID No. 277; SEQ ID No. 295; SEQ ID No. 300; SEQ ID No. 302; SEQ ID No. 306; SEQ ID No. 327; SEQ ID No. 335; SEQ ID No. 342; SEQ ID No. 343; SEQ ID No. 347; SEQ ID No. 349; SEQ ID No. 361; SEQ ID No. 363; SEQ ID No. 369; SEQ ID No. 380; SEQ ID No. 388; SEQ ID 10 No. 389; SEQ ID No. 397; SEQ ID No. 415; SEQ ID No. 432; SEQ ID No. 439; SEQ ID No. 446; SEQ ID No. 449; SEQ ID No. 472; SEQ ID No. 478; SEQ ID No. 500; SEQ ID No. 522; SEQ ID No. 524; SEQ ID No. 567; SEQ ID No. 575; SEQ ID No. 602; SEQ ID No. 606; SEQ ID No. 609; SEO ID No. 636; SEQ ID No. 639; SEQ ID No. 643; SEQ ID No. 653; SEQ ID No. 668; SEQ ID No. 692; SEQ ID No. 702; SEQ ID No. 704; SEQ ID No. 713; SEQ ID No. 720; SEQ ID No. 778; 15. SEQ ID No. 784; SEQ ID No. 800; SEQ ID No. 836; SEQ ID No. 838; SEQ ID No. 842; SEQ ID No. 864; SEQ ID No. 867; SEQ ID No. 883; SEQ ID No. 901; SEQ ID No. 916; SEQ ID No. 932; SEQ ID No. 934; SEQ ID No. 940; SEQ ID No. 942; SEQ ID No. 950; SEQ ID No. 956; SEQ ID No. 971; SEQ ID No. 973; SEQ ID No. 976; SEQ ID No. 988; SEQ ID No. 994; SEQ ID No. 1018; SEQ ID No. 1028; SEQ ID No. 1035; SEQ ID No. 1037; SEQ ID No. 1044; SEQ ID No. 1055; 20 SEQ ID No. 1057; SEQ ID No. 1068; SEQ ID No. 1069; SEQ ID No. 1070; SEQ ID No. 1072; SEQ ID No. 1082; SEQ ID No. 1088; SEQ ID No. 1105; SEQ ID No. 1132; SEQ ID No. 1135 and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, in that it is a Chlamydia pneumoniae surface exposed polypeptide or one of its representative fragments, and in that it is chosen from the polypeptides having the following sequences:

SEQ ID No. 15, SEQ ID No. 25, SEQ ID No. 26, SEQ ID No. 27, SEQ ID No. 28, SEQ ID No. 29, SEQ ID No. 30, SEQ ID No. 31, SEQ ID No. 32, SEQ ID No. 33, SEQ ID No. 35, SEQ ID No. 36, SEQ ID No. 1257, SEQ ID No. 280, SEQ ID No. 291, SEQ ID No. 314, SEQ ID No. 354, SEQ ID No. 380, SEQ ID No. 1266, SEQ ID No. 466, SEQ ID No. 467, SEQ ID No. 468, SEQ ID No. 469, SEQ ID No. 470, SEQ ID No. 470, SEQ ID No. 473, SEQ ID No. 474, SEQ ID No. 477, SEQ ID N

- 30 SEQ ID No. 470, SEQ ID No. 472, SEQ ID No. 474, SEQ ID No. 476, SEQ ID No. 477, SEQ ID No. 478, SEQ ID No. 479, SEQ ID No. 480, SEQ ID No. 482, SEQ ID No. 483, SEQ ID No. 485, SEQ ID No. 486, SEQ ID No. 500, SEQ ID No. 501, SEQ ID No. 503, SEQ ID No. 504, SEQ ID No. 505, SEQ ID No. 506, SEQ ID No. 507, SEQ ID No. 1268, SEQ ID No. 1269, SEQ ID No. 543, SEQ ID No. 544, SEQ ID No. 578, SEQ ID No. 579, SEQ ID No. 580, SEQ ID No. 581, SEQ ID No. 595,
- 35 SEQ ID No. 596, SEQ ID No. 597, SEQ ID No. 1271, SEQ ID No. 633, SEQ ID No. 637, SEQ ID No. 699, SEQ ID No. 706, SEQ ID No. 737, SEQ ID No. 744, SEQ ID No. 1273, SEQ ID No. 751, SEQ ID No. 775, SEQ ID No. 776, SEQ ID No. 777, SEQ ID No. 793, SEQ ID No. 815, SEQ ID No.

830, SEQ ID No. 1221, SEQ ID No. 849, SEQ ID No. 851, SEQ ID No. 852, SEQ ID No. 874, SEQ ID No. 891, SEQ ID No. 922, SEQ ID No. 940, SEQ ID No. 1231, SEQ ID No. 1281, SEQ ID No. 1035, SEQ ID No. 1079, SEQ ID No. 1087, SEQ ID No. 1108, and one of their representative fragments.

- Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* lipoprotein or one of its representative fragments, and in that it is chosen from the polypeptides having the following sequences:
 - SEQ ID No. 3, SEQ ID No. 10, SEQ ID No. 11, SEQ ID No. 16, SEQ ID No. 1254, SEQ ID No. 1255, SEQ ID No. 38, SEQ ID No. 1256, SEQ ID No. 62, SEQ ID No. 85, SEQ ID No. 1258, SEQ ID
- 10 No. 115, SEQ ID No. 1151, SEQ ID No. 151, SEQ ID No. 1259, SEQ ID No. 173, SEQ ID No. 1261, SEQ ID No. 186, SEQ ID No. 194, SEQ ID No. 205, SEQ ID No. 214, SEQ ID No. 216, SEQ ID No. 217, SEQ ID No. 238, SEQ ID No. 1177, SEQ ID No. 280, SEQ ID No. 291, SEQ ID No. 317, SEQ ID No. 327, SEQ ID No. 354, SEQ ID No. 364, SEQ ID No. 367, SEQ ID No. 414, SEQ ID No. 432, SEQ ID No. 1192, SEQ ID No. 460, SEQ ID No. 1267, SEQ ID No. 1268, SEQ ID No. 520, SEQ ID
- 15 No. 536, SEQ ID No. 1270, SEQ ID No. 576, SEQ ID No. 597, SEQ ID No. 603, SEQ ID No. 609, SEQ ID No. 637, SEQ ID No. 1272, SEQ ID No. 652, SEQ ID No. 1213, SEQ ID No. 699, SEQ ID No. 705, SEQ ID No. 706, SEQ ID No. 708, SEQ ID No. 711, SEQ ID No. 727, SEQ ID No. 1274, SEQ ID No. 800, SEQ ID No. 814, SEQ ID No. 825, SEQ ID No. 829, SEQ ID No. 830, SEQ ID No. 831, SEQ ID No. 844, SEQ ID No. 849, SEQ ID No. 1275, SEQ ID No. 1276, SEQ ID No. 1277, SEQ
- 20 ID No. 872, SEQ ID No. 878, SEQ ID No. 880, SEQ ID No. 891, SEQ ID No. 892, SEQ ID No. 1278, SEQ ID No. 1279, SEQ ID No. 1280, SEQ ID No. 941, SEQ ID No. 942, SEQ ID No. 1282, SEQ ID No. 1283, SEQ ID No. 952, SEQ ID No. 988, SEQ ID No. 998, SEQ ID No. 1009, SEQ ID No. 1285, SEQ ID No. 1235, SEQ ID No. 1028, SEQ ID No. 1056, SEQ ID No. 1070, SEQ ID No. 1287, SEQ ID No. 1087, SEQ ID No. 1288, SEQ ID No. 1289, SEQ ID No. 1098, SEQ ID No. 1246, SEQ ID No.
- 25 1291, SEQ ID No. 1108, SEQ ID No. 1109, SEQ ID No. 1112, SEQ ID No. 1133, and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, in that it is a *Chlamydia pneumoniae* polypeptide involved in lipopolysaccharide (LPS) biosynthesis, and in that it is chosen from the polypeptides having the following sequences:

30 SEQ ID No. 316, SEQ ID No. 564, SEQ ID No. 610, SEQ ID No. 647, SEQ ID No. 1211, SEQ ID No. 688, SEQ ID No. 924, and one of their representative fragments.

Preferably, the invention relates to additional LPS-related polypeptides according to the invention, in that it is:

(a) a Chlamydia pneumoniae KDO (3-deoxy-D-manno-octylosonic acid)-related polypeptide or one of its representative fragments, and in that it is chosen from the polypeptides having the following sequences: SEQ ID No. 177, SEQ ID No. 1156, SEQ ID No. 245, SEQ ID No. 767, and one of their representative fragments;

- (b) a Chlamydia pneumoniae phosphomannomutase-related polypeptide or one of its representative fragments, and in that it is chosen from the polypeptides having the following sequences: SEQ ID No. 74, and its representative fragment;
- (c) a Chlamydia pneumoniae phosphoglucomutase-related polypeptide or one of its representative fragments, and in that it is chosen from the polypeptides having the following sequences: SEQ ID No. 1286, SEQ ID No. 1039, and its representative fragment; and
 - (d) a *Chlamydia pneumoniae* lipid A component-related polypeptide or one of its representative fragments, and in that it is chosen from the polypeptides having the following sequences: SEQ ID No. 689, SEQ ID No. 690, SEQ ID No. 691, SEQ ID No. 1037, and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, in that it is a *Chlamydia pneumoniae* polypeptide or one of its representative fragments that contains an RGD sequence and is also an outer membrane protein, and in that it is chosen from the polypeptides having the following sequences: SEQ ID No. 468 and its representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, in that it is a Chlamydia pneumoniae polypeptide or one of its representative fragments that contains an RGD sequence that shows homology to cds1, cds2, and copN type III virulence loci in Chlamydia Psitacci, and in that it is chosen from the polypeptides having the following sequences:

SEQ ID No. 350 and its representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, in that it is a Chlamydia pneumoniae polypeptide or one of its representative fragments that is cysteine-rich and contains RGD sequence, and in that it is chosen from the polypeptides having the following sequences: SEQ ID No. 1290, SEQ ID No. 6846, SEQ ID No. 6848, and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, in that it is a Chlamydia pneumoniae outer membrane polypeptide that contains cysteines in their first 30 amino acids and also contain an RGD sequence, and in that it is chosen from the polypeptides having the following sequences:

SEQ ID No. 105, SEQ ID No. 106, SEQ ID No. 114, SEQ ID No. 170, SEQ ID No. 171, SEQ ID No. 301 1264, SEQ ID No. 268, SEQ ID No. 1265, SEQ ID No. 350, SEQ ID No. 393, SEQ ID No. 394, SEQ ID No. 451, SEQ ID No. 452, SEQ ID No. 453, SEQ ID No. 473, SEQ ID No. 499, SEQ ID No. 515, SEQ ID No. 519, SEQ ID No. 525, SEQ ID No. 526, SEQ ID No. 538, SEQ ID No. 611, SEQ ID No. 645, SEQ ID No. 686, SEQ ID No. 700, SEQ ID No. 746, SEQ ID No. 755, SEQ ID No. 756, SEQ ID No. 757, SEQ ID No. 789, SEQ ID No. 814, SEQ ID No. 855, SEQ ID No. 856, SEQ ID No. 878,

35 SEQ ID No. 957, SEQ ID No. 958, SEQ ID No. 989, SEQ ID No. 1290, and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, in that it is a

No. 190, SEQ ID No. 1161, SEQ ID No. 1162, SEO ID No. 191, SEQ ID No. 192, SEQ ID No. 194, SEQ ID No. 195, SEQ ID No. 1163, SEQ ID No. 196, SEQ ID No. 201, SEQ ID No. 202, SEQ ID No. 209, SEQ ID No. 212, SEQ ID No. 221, SEQ ID No. 224, SEQ ID No. 1167, SEQ ID No. 226, SEQ ID No. 227, SEQ ID No. 228, SEQ ID No. 229, SEQ ID No. 230, SEQ ID No. 231, SEQ ID No. 5 232, SEQ ID No. 1169, SEQ ID No. 1170, SEQ ID No. 1171, SEQ ID No. 234, SEQ ID No. 235, SEQ ID No. 236, SEQ ID No. 1172, SEQ ID No. 243, SEQ ID No. 251, SEQ ID No. 252, SEQ ID No. 1176, SEQ ID No. 253, SEQ ID No. 255, SEQ ID No. 254, SEQ ID No. 256, SEQ ID No. 1177, SEQ ID No. 1178; SEQ ID No. 262, SEQ ID No. 263, SEQ ID No. 1264, SEQ ID No. 278, SEQ ID No. 279, SEQ ID No. 1180, SEQ ID No. 280, SEQ ID No. 290, SEQ ID No. 291, SEQ ID No. 292, SEQ 10 ID No. 296, SEQ ID No. 1181, SEQ ID No. 297, SEQ ID No. 298, SEQ ID No. 300, SEQ ID No. 1265, SEQ ID No. 322, SEQ ID No. 324, SEQ ID No. 325, SEQ ID No. 370, SEQ ID No. 1186, SEQ ID No. 371, SEQ ID No. 372, SEQ ID No. 1187, SEQ ID No. 373, SEQ ID No. 378, SEQ ID No. 1266, SEQ ID No. 382, SEQ ID No. 383, SEQ ID No. 384, SEQ ID No. 385, SEQ ID No. 386, SEQ ID No. 1188, SEQ ID No. 1189, SEQ ID No. 391, SEQ ID No. 392, SEQ ID No. 398, SEQ ID No. 15 _400, SEO ID No. 403, SEQ ID No. 1191, SEQ ID No. 423, SEQ ID No. 435, SEQ ID No. 445, SEQ ID No. 450, SEQ ID No. 1193, SEQ ID No. 456, SEQ ID No. 460, SEQ ID No. 461, SEQ ID No. 465, SEQ ID No. 1196, SEQ ID No. 471, SEQ ID No. 473, SEQ ID No. 475, SEQ ID No. 481, SEQ ID No. 484, SEQ ID No. 487, SEQ ID No. 488, SEQ ID No. 489, SEQ ID No. 490, SEQ ID No. 491, SEO ID No. 492, SEO ID No. 493, SEO ID No. 494, SEO ID No. 495, SEO ID No. 496, SEO ID No. 20 497, SEQ ID No. 498, SEQ ID No. 499, SEQ ID No. 502, SEQ ID No. 1267, SEQ ID No. 1268, SEQ ID No. 508, SEQ ID No. 510, SEQ ID No. 509, SEQ ID No. 512, SEQ ID No. 515, SEQ ID No. 519, SEQ ID No. 1197, SEQ ID No. 521, SEQ ID No. 1198, SEQ ID No. 522, SEQ ID No. 524, SEQ ID No. 528, SEQ ID No. 534, SEQ ID No. 537, SEQ ID No. 1269, SEQ ID No. 1270, SEQ ID No. 548, SEQ ID No. 551, SEQ ID No. 557, SEQ ID No. 1201, SEQ ID No. 1203, SEQ ID No. 562, SEQ ID 25 No. 566, SEQ ID No. 593, SEQ ID No. 595, SEQ ID No. 600, SEQ ID No. 1271, SEQ ID No. 604, SEQ ID No. 611, SEQ ID No. 612, SEQ ID No. 614, SEQ ID No. 616, SEQ ID No. 625, SEQ ID No. 627, SEQ ID No. 628, SEQ ID No. 629, SEQ ID No. 631, SEQ ID No. 641, SEQ ID No. 1272, SEQ ID No. 648, SEQ ID No. 1212, SEQ ID No. 663, SEQ ID No. 685, SEQ ID No. 707, SEQ ID No. 714, SEQ ID No. 715, SEQ ID No. 716, SEQ ID No. 717, SEQ ID No. 722, SEQ ID No. 746, SEQ ID No. 30 1273, SEQ ID No. 761, SEQ ID No. 764, SEQ ID No. 770, SEQ ID No. 1217, SEQ ID No. 783, SEQ ID No. 1274, SEQ ID No. 803, SEQ ID No. 815, SEQ ID No. 1220, SEQ ID No. 835, SEQ ID No. 1221, SEQ ID No. 844, SEQ ID No. 845, SEQ ID No. 846, SEQ ID No. 847, SEQ ID No. 848, SEQ ID No. 849, SEQ ID No. 850, SEQ ID No. 851, SEQ ID No. 1275, SEQ ID No. 852, SEQ ID No. 862, SEQ ID No. 1276, SEQ ID No. 1277, SEQ ID No. 873, SEQ ID No. 1223, SEQ ID No. 892, SEQ ID 35 No. 919, SEQ ID No. 1225, SEQ ID No. 1278, SEQ ID No. 926, SEQ ID No. 1228, SEQ ID No. 1229, SEQ ID No. 1230, SEQ ID No. 1279, SEQ ID No. 1281, SEQ ID No. 1282, SEQ ID No. 1283, SEQ ID-No. 948, SEQ ID No. 950, SEQ ID No. 949, SEQ ID No. 951, SEQ ID No. 980, SEQ ID No.

982, SEQ ID No. 1233, SEQ ID No. 999, SEQ ID No. 1000, SEQ ID No. 1001, SEQ ID No. 1002, SEQ ID No. 1008, SEQ ID No. 1285, SEQ ID No. 1235, SEQ ID No. 1016, SEQ ID No. 1019, SEQ ID No. 1027, SEQ ID No. 1036, SEQ ID No. 1241, SEQ ID No. 1048, SEQ ID No. 1049, SEQ ID No. 1050, SEQ ID No. 1053, SEQ ID No. 1054, SEQ ID No. 1064, SEQ ID No. 1076, SEQ ID No. 1091, SEQ ID No. 1288, SEQ ID No. 1093, SEQ ID No. 1289, SEQ ID No. 1101, SEQ ID No. 1103, SEQ ID No. 1245, SEQ ID No. 1246, SEQ ID No. 1247, SEQ ID No. 1290, SEQ ID No. 1291, SEQ ID No. 1115, SEQ ID No. 1116, SEQ ID No. 1118, SEQ ID No. 1120, SEQ ID No. 1249, SEQ ID No. 1121, SEQ ID No. 1250, SEQ ID No. 1126, SEQ ID No. 1251, SEQ ID No. 1127, SEQ ID No. 1128, SEQ ID No. 1130, SEQ ID No. 1129, SEQ ID No. 1131, SEQ ID No. 1136, SEQ ID No. 1253, SEQ ID No. 106844, SEQ ID No. 6846, SEQ ID No. 6847, SEQ ID No. 6848, and one of their representative fragments

Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the intermediate metabolism, in particular in the metabolism of sugars and/or of cofactors, and in that it is chosen from the polypeptides having the following sequences:

- SEQ ID No. 2; SEQ ID No. 55; SEQ ID No. 56; SEQ ID No. 69; SEQ ID No. 75; SEQ ID No. 80; SEQ ID No. 100; SEQ ID No. 110; SEQ ID No. 114; SEQ ID No. 120; SEQ ID No. 121; SEQ ID No. 157; SEQ ID No. 160; SEQ ID No. 161; SEQ ID No. 172; SEQ ID No. 180; SEQ ID No. 181; SEQ ID No. 198; SEQ ID No. 200; SEQ ID No. 225; SEQ ID No. 248; SEQ ID No. 249; SEQ ID No. 276; SEQ ID No. 276; SEQ ID No. 276; SEQ ID No. 276; SEQ ID No. 277; SEQ I
- 20 No. 276; SEQ ID No. 277; SEQ ID No. 318; SEQ ID No. 319; SEQ ID No. 320; SEQ ID No. 323; SEQ ID No. 331; SEQ ID No. 347; SEQ ID No. 375; SEQ ID No. 376; SEQ ID No. 381; SEQ ID No. 393; SEQ ID No. 394; SEQ ID No. 395; SEQ ID No. 396; SEQ ID No. 409; SEQ ID No. 446; SEQ ID No. 447; SEQ ID No. 448; SEQ ID No. 449; SEQ ID No. 513; SEQ ID No. 516; SEQ ID No. 571; SEQ ID No. 647; SEQ ID No. 662; SEQ ID No. 697; SEQ ID No. 718; SEQ ID No. 793;
- 25 SEQ ID No. 794; SEQ ID No. 808; SEQ ID No. 809; SEQ ID No. 838; SEQ ID No. 839; SEQ ID No. 840; SEQ ID No. 853; SEQ ID No. 854; SEQ ID No. 918; SEQ ID No. 923; SEQ ID No. 929; SEQ ID No. 931; SEQ ID No. 938; SEQ ID No. 939; SEQ ID No. 958; SEQ ID No. 959; SEQ ID No. 960; SEQ ID No. 966; SEQ ID No. 995; SEQ ID No. 1021; SEQ ID No. 1040; SEQ ID No. 1041; SEQ ID No. 1042; SEQ ID No. 1085; SEQ ID No. 1100; SEQ ID No. 1102; SEQ ID
- 30 No. 1117; SEQ ID No. 1118; SEQ ID No. 1119; SEQ ID No. 1120; SEQ ID No. 1135 and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the intermediate metabolism of nucleotides or nucleic acids, and in that it is chosen from the polypeptides having the following sequences:

SEQ ID No. 77; SEQ ID No. 78; SEQ ID No. 138; SEQ ID No. 189; SEQ ID No. 190; SEQ ID No. 233; SEQ ID No. 246; SEQ ID No. 338; SEQ ID No. 412; SEQ ID No. 421; SEQ ID No. 438;

SEQ ID No. 607; SEQ ID No. 648; SEQ ID No. 657; SEQ ID No. 740; SEQ ID No. 783; SEQ ID No. 967; SEQ ID No. 989; SEQ ID No. 990; SEQ ID No. 992; SEQ ID No. 1011; SEQ ID No. 1058; SEQ ID No. 1059; SEQ ID No. 1073; SEQ ID No. 1074 and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the metabolism of nucleic acids, and in that it is chosen from the polypeptides having the following sequences:

SEQ ID No. 14; SEQ ID No. 59; SEQ ID No. 70; SEQ ID No. 71; SEQ ID No. 97; SEQ ID No. 113; SEQ ID No. 137; SEQ ID No. 141; SEQ ID No. 169; SEQ ID No. 285; SEQ ID No. 287; SEQ ID No. 288; SEQ ID No. 313; SEQ ID No. 326; SEQ ID No. 358; SEQ ID No. 411; SEQ ID No. 443; SEQ ID No. 548; SEQ ID No. 569; SEQ ID No. 601; SEQ ID No. 651; SEQ ID No. 654; SEQ ID No. 658; SEQ ID No. 659; SEQ ID No. 664; SEQ ID No. 665; SEQ ID No. 694; SEQ ID No. 698; SEQ ID No. 704; SEQ ID No. 760; SEQ ID No. 762; SEQ ID No. 763; SEQ ID No. 786; SEQ ID No. 787; SEQ ID No. 788; SEQ ID No. 801; SEQ ID No. 802; SEQ ID No. 812; SEQ ID No. 819; SEQ ID No. 822; SEQ ID No. 870; SEQ ID No. 897; SEQ ID No. 898; SEQ ID No. 902; SEQ ID No. 908; SEQ ID No. 916; SEQ ID No. 954; SEQ ID No. 955; SEQ ID No. 961; SEQ ID No. 983; SEQ ID No. 996; SEQ ID No. 1007; SEQ ID No. 1012; SEQ ID No. 1013; SEQ ID No. 1014; SEQ ID No. 1015; SEQ ID No. 1038; SEQ ID No. 1137 and one of their representative

20 fragments.

Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the metabolism of amino acids or polypeptides, and in that it is chosen from the polypeptides having the following sequences:

- 2.5 SEQ ID No. 99; SEQ ID No. 111; SEQ ID No. 127; SEQ ID No. 134; SEQ ID No. 140; SEQ ID No. 174; SEQ ID No. 175; SEQ ID No. 176; SEQ ID No. 353; SEQ ID No. 377; SEQ ID No. 404; SEQ ID No. 523; SEQ ID No. 539; SEQ ID No. 559; SEQ ID No. 561; SEQ ID No. 586; SEQ ID No. 598; SEQ ID No. 609; SEQ ID No. 636; SEQ ID No. 687; SEQ ID No. 700; SEQ ID No. 701; SEQ ID No. 759; SEQ ID No. 790; SEQ ID No. 857; SEQ ID No. 861; SEQ ID No. 904; SEQ ID
- 30 No. 936; SEQ ID No. 952; SEQ ID No. 962; SEQ ID No. 963; SEQ ID No. 964; SEQ ID No. 965; SEQ ID No. 991; SEQ ID No. 1003; SEQ ID No. 1004; SEQ ID No. 1005; SEQ ID No. 1018; SEQ ID No. 1067; SEQ ID No. 1110; SEQ ID No. 1111; SEQ ID No. 1112; SEQ ID No. 1124; SEQ ID No. 1121; SEQ ID No. 1123; SEQ ID No. 1124; SEQ ID No. 1125 and one of their representative fragments.
- Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the metabolism of polypeptides, and in that it is chosen from the polypeptides

having the following sequences:

SEQ ID No. 4; SEQ ID No. 44; SEQ ID No. 45; SEQ ID No. 48; SEQ ID No. 54; SEQ ID No. 112; SEQ ID No. 130; SEQ ID No. 155; SEQ ID No. 163; SEQ ID No. 212; SEQ ID No. 257; SEQ ID No. 307; SEQ ID No. 343; SEQ ID No. 405; SEQ ID No. 416; SEQ ID No. 458; SEQ ID No. 540; SEQ ID No. 541; SEQ ID No. 542; SEQ ID No. 543; SEQ ID No. 544; SEQ ID No. 560; SEQ ID No. 594; SEQ ID No. 652; SEQ ID No. 699; SEQ ID No. 723; SEQ ID No. 747; SEQ ID No. 817; SEQ ID No. 827; SEQ ID No. 871; SEQ ID No. 909; SEQ ID No. 910; SEQ ID No. 911; SEQ ID No. 912; SEQ ID No. 1023; SEQ ID No. 1051; SEQ ID No. 1052; SEQ ID No. 1081 and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the metabolism of fatty acids, and in that it is chosen from the polypeptides having the following sequences:

SEQ ID No. 76; SEQ ID No. 284; SEQ ID No. 308; SEQ ID No. 309; SEQ ID No. 310; SEQ ID No. 311; SEQ ID No. 312; SEQ ID No. 425; SEQ ID No. 433; SEQ ID No. 565; SEQ ID No. 688; SEQ ID No. 690; SEQ ID No. 691; SEQ ID No. 767; SEQ ID No. 797; SEQ ID No. 894; SEQ ID No. 895; SEQ ID No. 994; SEQ ID No. 1020; SEQ ID No. 1030; SEQ ID No. 1033; SEQ ID No. 1034; SEQ ID No. 1046; SEQ ID No. 1047; SEQ ID No. 1057 and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the synthesis of the wall, and in that it is chosen from the polypeptides having the following sequences:

SEQ ID No. 49; SEQ ID No. 50; SEQ ID No. 177; SEQ ID No. 178; SEQ ID No. 245; SEQ ID No. 610; SEQ ID No. 972; SEQ ID No. 974; SEQ ID No. 978; SEQ ID No. 1037 and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the transcription, translation and/or maturation process, and in that it is chosen from the polypeptides having the following sequences:

SEQ ID No. 90; SEQ ID No. 92; SEQ ID No. 131; SEQ ID No. 151; SEQ ID No. 199; SEQ ID No. 333; SEQ ID No. 334; SEQ ID No. 336; SEQ ID No. 379; SEQ ID No. 589; SEQ ID No. 590; SEQ ID No. 619; SEQ ID No. 630; SEQ ID No. 649; SEQ ID No. 739; SEQ ID No. 741; SEQ ID No. 806; SEQ ID No. 821; SEQ ID No. 843; SEQ ID No. 968; SEQ ID No. 971; SEQ ID No. 1061 and one of their representative fragments

35 and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* ribosomal polypeptide or one of its representative

fragments, and in that it is chosen from the polypeptides having the following sequences: SEQ ID No. 93; SEQ ID No. 94; SEQ ID No. 95; SEQ ID No. 136; SEQ ID No. 259; SEQ ID No. 332; SEQ ID No. 348; SEQ ID No. 583; SEQ ID No. 584; SEQ ID No. 588; SEQ ID No. 591; SEQ ID No. 592; SEQ ID No. 663; SEQ ID No. 666; SEQ ID No. 667; SEQ ID No. 669; SEQ ID No. 670; SEQ ID No. 671; SEQ ID No. 672; SEQ ID No. 673; SEQ ID No. 674; SEQ ID No. 675; SEQ ID No. 676; SEQ ID No. 676; SEQ ID No. 677; SEQ ID No. 678; SEQ ID No. 679; SEQ ID No. 680; SEQ ID No. 681; SEQ ID No. 683; SEQ ID No. 684; SEQ ID No. 738; SEQ ID No. 781; SEQ ID No. 1008; SEQ ID No. 1024; SEQ ID No. 1025; SEQ ID No. 1066 and one of their representative fragments.

Preferably, the invention also relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* transport polypeptide or one of its representative fragments, and in that it is chosen from the polypeptides having the following sequences:

SEQ ID No. 40; SEQ ID No. 41; SEQ ID No. 52; SEQ ID No. 105; SEQ ID No. 106; SEQ ID No. 107; SEQ ID No. 109; SEQ ID No. 133; SEQ ID No. 210; SEQ ID No. 211; SEQ ID No. 214; SEQ ID No. 215; SEQ ID No. 216; SEQ ID No. 217; SEQ ID No. 218; SEQ ID No. 219; SEQ ID No. 220; SEQ ID No. 223; SEQ ID No. 242; SEQ ID No. 260; SEQ ID No. 293; SEQ ID No. 299; SEQ ID No. 366; SEQ ID No. 369; SEQ ID No. 575; SEQ ID No. 602; SEQ ID No. 638; SEQ ID No. 639; SEQ ID No. 640; SEQ ID No. 643; SEQ ID No. 653; SEQ ID No. 702; SEQ ID No. 703; SEQ ID No. 724; SEQ ID No. 732; SEQ ID No. 855; SEQ ID No. 856; SEQ ID No. 901; SEQ ID No. 906; SEQ ID No. 933; SEQ ID No. 942; SEQ ID No. 1043; SEQ ID No. 1086; SEQ ID No. 1105 and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the virulence process, and in that it is chosen from the polypeptides having the following sequences:

25 SEQ ID No. 546; SEQ ID No. 550; SEQ ID No. 778; SEQ ID No. 779; SEQ ID No. 886 and one of their representative fragments.

Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a *Chlamydia pneumoniae* polypeptide or one of its representative fragments which is involved in the secretory system and/or which is secreted, and in that it is chosen from the polypeptides having the following sequences:

SEQ ID No. 751; SEQ ID No. 874; SEQ ID No. 875; SEQ ID No. 876; SEQ ID No. 883; SEQ ID No. 884; SEQ ID No. 885 and one of their representative fragments.

The secreted polypeptides, including the Type III and other, non-Type III secreted polypeptides, of the present invention, as well as the corresponding nucleotide sequences, may be detected by techniques known to persons skilled in the art, such as for example the techniques using cloning combined with vectors allowing the expression of the said polypeptides fused to export markers such as the *luc* gene for luciferase or the *PhoA* gene for alkaline phosphatase.

Preferably, the invention relates to a polypeptide according to the invention, characterized in that it is a polypeptide specific to *Chlamydia pneumoniae* or one of its representative fragments(with a Blast E value of >10⁻⁵), and in that it is chosen from the polypeptides having the following sequences:

5 SEQ ID No. 7; SEQ ID No. 8; SEQ ID No. 17; SEQ ID No. 18; SEQ ID No. 19; SEQ ID No. 20; SEQ ID No. 22; SEQ ID No. 23; SEQ ID No. 24; SEQ ID No. 51; SEQ ID No. 60; SEQ ID No. 63; SEQ ID No. 65; SEQ ID No. 66; SEQ ID No. 67; SEQ ID No. 83; SEQ ID No. 84; SEQ ID No. 86; SEQ ID No. 87; SEQ ID No. 125; SEQ ID No. 143; SEQ ID No. 144; SEQ ID No. 179; SEQ ID No. 182; SEQ ID No. 184; SEQ ID No. 185; SEQ ID No. 187; SEQ ID No. 221; 10 SEQ ID No. 252; SEQ ID No. 254;; SEQ ID No. 278; SEQ ID No. 279; SEQ ID No. 387; SEQ ID No. 388; SEQ ID No. 397; SEQ ID No. 1048; SEQ ID No. 1049; SEQ ID No. 1050; SEQ ID No. 1128; SEQ ID No. 1130; SEQ ID No. 1131 and one of their representative fragments.

In general, in the present invention, the functional group to which a polypeptide of the invention belongs, as well as its corresponding nucleotide sequence, may be determined either by comparative analogy with sequences already known, or by the use of standard techniques of biochemistry, of cytology combined with the techniques of genetic engineering such as immunoaffinity, localization by immunolabelling, differential extraction, measurement of enzymatic activity, study of the activity inducing or repressing expression or the study of expression in *E. coli*.

It is clearly understood, on the one hand, that, in the present invention, the nucleotide sequences (ORF) and the amino acid sequences (SEQ ID No. 2 to SEQ ID No. 1291 and SEQ ID No. 6844 to SEQ ID No. 6848) which are listed by functional group, are not exhaustive within the group considered. Moreover, it is also clearly understood that, in the present invention, a nucleotide sequence (ORF) or an amino acid sequence mentioned within a given functional group may also be part of another group taking into account, for example, the interrelationship between the groups listed.

25 Accordingly, and as an example of this interrelationship, an exported and/or secreted polypeptide as well as its coding nucleotide sequence may also be involved in the *Chlamydia pneumoniae* virulence process by modifying the defense mechanism of the infected host cell, or a transmembrane polypeptide or its coding nucleotide sequence is also part of the polypeptides or coding nucleotide sequences of the cellular envelope.

The subject of the present invention is also the pucleotide and/or relumentials assessed.

The subject of the present invention is also the nucleotide and/or polypeptide sequences according to the invention, characterized in that the said sequences are recorded on a medium, called recording medium, whose type and nature facilitate the reading, the analysis and the exploitation of the said sequences. These media may of course also contain other information extracted from the present invention, such as in particular the analogies with already known sequences, such as those mentioned in Table 1 of the present description, and/or may contain, in addition, information relating to the nucleotide and/or polypeptide sequences of other microorganisms so as to facilitate the comparative analysis and the exploitation of the results obtained.

Among these recording media, computer-readable media, such as magnetic, optical, electrical and hybrid media such as, for example, floppy disks, CD-ROMs or recording cassettes, are preferred in particular.

The invention also relates to nucleotide sequences which can be used as primer or probe,

5 characterized in that the said sequences are chosen from the nucleotide sequences according to the invention.

The invention relates, in addition, to the use of a nucleotide sequence according to the invention, as primer or probe, for the detection and/or amplification of nucleic acid sequences.

The nucleotide sequences according to the invention may thus be used to amplify nucleotide sequences, in particular by the PCR technique (polymerase chain reaction) (Erlich, 1989; Innis et al., 1990; Rolfs et al., 1991, and White et al., 1997).

These oligodeoxyribonucleotide or oligoribonucleotide primers correspond to representative nucleotide fragments, and are advantageously at least 8 nucleotides, preferably at least 12 nucleotides, 15 nucleotides and still more preferably at least 20 nucleotides long.

Other techniques for amplifying the target nucleic acid may be advantageously used as alternatives to PCR.

The nucleotide sequences of the invention, in particular the primers according to the invention, may also be used in other methods for amplifying a target nucleic acid, such as:

- the TAS (Transcription-based Amplification System) technique described by Kwoh et al. in 1989;
- 20 the 3SR (Self-Sustained Sequence Replication) technique described by Guatelli et al. in 1990;
 - the NASBA (Nucleic Acid Sequence Based Amplification) technique described by Kievitis et al. in 1991;
 - the SDA (Strand Displacement Amplification) technique (Walker et al., 1992);
 - the TMA (Transcription Mediated Amplification) technique.
- The polynucleotides of the invention may also be used in techniques for amplifying or for modifying the nucleic acid serving as probe, such as:
 - the LCR (Ligase Chain Reaction) technique described by Landegren et al. in 1988 and perfected by Barany et al. in 1991, which uses a thermostable ligase;
 - the RCR (Repair Chain Reaction) technique described by Segev in 1992;
- 30 the CPR (Cycling Probe Reaction) technique described by Duck et al. in 1990;
 - the Q-beta-replicase amplification technique described by Miele et al. in 1983 and perfected in particular by Chu et al. in 1986, Lizardi et al. in 1988, and then by Burg et al. as well as by Stone et al. in 1996.

The invention also relates to the nucleotide sequences of fragments which can be
35 obtained by amplification with the aid of at least one primer according to the invention. The present
invention encompasses both hybridization probes and primers. In general, the complementary probes
should be of a length sufficient to form a stable hybrid complex with the target sequences. Primers,

while complementary to the target sequences need not form stable hybridization complexes with the target sequences alone. Rather, primers form stable complexes with the target sequences in the presence of polymerase to permit extension of the primer.

In the case where the target polynucleotide to be detected is possibly an RNA, for example an mRNA, it will be possible to use, prior to the use of an amplification reaction with the aid of at least one primer according to the invention or to the use of a method of detection with the aid of at least one probe of the invention, a reverse transcriptase-type enzyme so as to obtain a cDNA from the RNA contained in the biological sample. The cDNA obtained will then serve as target for the primer(s) or the probe(s) used in the amplification or detection method according to the invention.

The detection probe will be chosen so that it hybridizes with the target sequence or the amplicon generated from the target sequence. Such a detection probe will advantageously have as sequence a sequence of at least 12 nucleotides, in particular of at least 20 nucleotides, and preferably at least 100 nucleotides.

The invention also comprises the nucleotide sequences which can be used as probe or primer according to the invention, characterized in that they are labelled with a radioactive compound or with a nonradioactive compound.

The nonlabelled nucleotide sequences may be used directly as probes or primers; however, the sequences are generally labelled with a radioactive element (³²P, ³⁵S, ³H, ¹²⁵I) or with a nonradioactive molecule (biotin, acetylaminofluorene, digoxigenin, 5-bromo-deoxyuridine, 20 fluorescein) so as to obtain probes which can be used in numerous applications.

Examples of nonradioactive labelling of nucleotide sequences are described, for example, in French patent No. 78,10975 or by Urdea et al. or by Sanchez-Pescador et al. in 1988.

In the latter case, one of the labelling methods described in patents FR-2 422 956 and FR-2 518 755 may also be used.

The invention also relates to the nucleotide sequences of fragments which can be obtained by hybridization with the aid of at least one probe according to the invention.

The hybridization technique may be performed in various ways (Matthews et al., 1988). The most common method consists in immobilizing the nucleic acid extracted from Chlamydia pneumoniae cells on a support (such as nitrocellulose, nylon, polystyrene) and in incubating, under well-defined conditions, the target nucleic acid immobilized with the probe. After hybridization, the excess probe is removed and the hybrid molecules formed are detected by the appropriate method (measurement of the radioactivity, of the fluorescence or of the enzymatic activity linked to the probe).

The invention also comprises the nucleotide sequences according to the invention, 35 characterized in that they are covalently or noncovalently immobilized on a support.

According to another advantageous embodiment of the nucleic sequences according to the invention, the latter may be used immobilized on a support and may thus serve to capture, through

specific hybridization, the target nucleic acid obtained from the biological sample to be tested. If necessary, the solid support is separated from the sample and the hybridization complex formed between the so-called capture probe and the target nucleic acid is then detected by means of a second probe, called detection probe, labelled with an easily detectable element.

The nucleotide sequences according to the invention may also be used in new analytical systems, DNA chips, which allow sequencing, the study of mutations and of the expression of genes, and which are currently of interest given their very small size and their high capacity in terms of number of analyses.

5

20

The principle of the operation of these chips is based on molecular probes, most often oligonucleotides, which are attached onto a miniaturized surface, generally of the order of a few square centimetres. During an analysis, a sample containing fragments of a target nucleic acid to be analysed, for example DNA or RNA labelled, for example, after amplification, is deposited onto the DNA chip in which the support has been coated beforehand with probes. Bringing the labelled target sequences into contact with the probes leads to the formation, through hybridization, of a duplex according to the rule of pairing defined by J.D. Watson and F. Crick. After a washing step, analysis of the surface of the chip allows the effective hybridizations to be located by means of the signals emitted by the labels tagging the target. A hybridization fingerprint results from this analysis which, by appropriate computer processing, will make it possible to determine information such as the presence of specific fragments in the sample, the determination of sequences and the presence of mutations.

The chip consists of a multitude of molecular probes, precisely organized or arrayed on a solid support whose surface is miniaturized. It is at the centre of a system where other elements (imaging system, microcomputer) allow the acquisition and interpretation of a hybridization fingerprint.

The hybridization supports are provided in the form of flat or porous surfaces (pierced with wells) composed of various materials. The choice of a support is determined by its physicochemical properties, or more precisely, by the relationship between the latter and the conditions under which the support will be placed during the synthesis or the attachment of the probes or during the use of the chip. It is therefore necessary, before considering the use of a particular support (R.S. Matson et al., 1994), to consider characteristics such as its stability to pH, its physical strength, its reactivity and its chemical stability as well as its capacity to nonspecifically bind nucleic acids. Materials such as glass, silicon and polymers are commonly used. Their surface is, in a first step, called "functionalization", made reactive towards the groups which it is desired to attach thereon. After the functionalization, so-called spacer molecules are grafted onto the activated surface. Used as intermediates between the surface and the probe, these molecules of variable size render unimportant the surface properties of the supports, which often prove to be problematic for the synthesis or the attachment of the probes and for the hybridization.

⁻⁻ Among the hybridization supports, there may be mentioned glass which is used, for

example, in the method of in situ synthesis of oligonucleotides by photochemical addressing developed by the company Affymetrix (E.L. Sheldon, 1993), the glass surface being activated by silane. Genosensor Consortium (P. Mérel, 1994) also uses glass slides carrying wells 3 mm apart, this support being activated with epoxysilane.

Polymers or silicon may also be mentioned among these hybridization supports. For example, the Andrein Mirzabekov team has developed a chip consisting of polyacrylamide squares polymerized on a silanized glass surface (G. Yershov et al., 1996). Several teams use silicon, in particular the IFOS laboratory of Ecole Centrale of Lyon which uses a silicon semiconductor substrate which is p-doped by introducing it into its crystalline structure atoms whose valency is different from 10 that of silicon. Various types of metals, in particular gold and platinum, may also be used as support (Genosensor Consortium (K. Beattie et al., 1993)).

The probes according to the invention may be synthesized directly in situ on the supports of the DNA chips. This in situ synthesis may be carried out by photochemical addressing (developed by the company Affymax (Amsterdam, Holland) and exploited industrially by its subsidiary 15 Affymetrix (United States)) or based on the VLSIPS (very large scale immobilized polymer synthesis) technology (S.P.A. Fodor et al., 1991) which is based on a method of photochemically directed combinatory synthesis and the principle of which combines solid-phase chemistry, the use of photolabile protecting groups and photolithography.

The probes according to the invention may be attached to the DNA chips in various ways 20 such as electrochemical addressing, automated addressing or the use of probe printers (T. Livache et al., 1994; G. Yershov et al., 1996; J. Derisi et al., 1996, and S. Borman, 1996).

The revealing of the hybridization between the probes of the invention, deposited or synthesized in situ on the supports of the DNA chips, and the sample to be analysed, may be determined, for example, by measurement of fluorescent signals, by radioactive counting or by 25 electronic detection.

The use of fluorescent molecules such as fluorescein constitutes the most common method of labelling the samples. It allows direct or indirect revealing of the hybridization and allows the use of various fluorochromes.

Affymetrix currently provides an apparatus or a scanner designed to read its Gene ChipTM chips. It makes it possible to detect the hybridizations by scanning the surface of the chip in confocal microscopy (R.J. Lipshutz et al., 1995). Other methods of detecting fluorescent signals have been tested: coupling of an epifluorescence microscope and a CCD camera (G. Yershov et al., 1996), the use of an optical fibre collecting system (E.L. Sheldon, 1993). A conventional method consists in carrying out an end labelling, with phosphorus 32, of the target sequences, by means of an appropriate 35 apparatus, the Phosphorimager (marketed by Molecular Dynamics). The electronic detection is based on the principle that the hybridization of two nucleic acid molecules is accompanied by physical phenomena which can be quantified under certain conditions (system developed by Ecole Centrale of

30

Lyon and called GEN-FET (GEN field effect transistor)). Genosensor Consortium and the company Beckman Instruments who are developing an electronic chip or Permittivity ChipsTM may also be mentioned (K. Beattie et al., 1993).

The nucleotide sequences according to the invention may thus be used in DNA chips to carry out the analysis of mutations. This analysis is based on the production of chips capable of analysing each base of a nucleotide sequence according to the invention.

The nucleotide sequences according to the invention may also be used in DNA chips to carry out the analysis of the expression of the *Chlamydia pneumoniae* genes. This analysis of the expression of *Chlamydia pneumoniae* genes is based on the use of chips where probes of the invention, chosen for their specificity to characterize a given gene, are present (D.J. Lockhart et al., 1996; D.D. Shoemaker et al., 1996). For the methods of analysis of gene expression using the DNA chips, reference may, for example, be made to the methods described by D.J. Lockhart et al. (1996) and Sosnowsky et al. (1997) for the synthesis of probes in situ or for the addressing and the attachment of previously synthesized probes. The target sequences to be analysed are labelled and in general fragmented into sequences of about 50 to 100 nucleotides before being hybridized onto the chip. After washing as described, for example, by D.J. Lockhart et al. (1996) and application of different electric fields (Sosnowsky et al., 1997), the labelled compounds are detected and quantified, the hybridizations being carried out at least in duplicate. Comparative analyses of the signal intensities obtained with respect to the same probe for different samples and/or for different probes with the same sample, 20 determine the differential expression of RNA or of DNA derived from the sample.

The nucleotide sequences according to the invention may, in addition, be used in DNA chips where other nucleotide probes specific for other microorganisms are also present, and may allow the carrying out of a serial test allowing rapid identification of the presence of a microorganism in a sample.

Accordingly, the subject of the invention is also the nucleotide sequences according to the invention, characterized in that they are immobilized on a support of a DNA chip.

The DNA chips, characterized in that they contain at least one nucleotide sequence according to the invention, immobilized on the support of the said chip, also form part of the invention.

The said chips will preferably contain several probes or nucleotide sequences of the invention of different length and/or corresponding to different genes so as to identify, with greater certainty, the specificity of the target sequences or the desired mutation in the sample to be analysed.

Accordingly, the analyses carried out by means of primers and/or probes according to the invention, immobilized on supports such as DNA chips, will make it possible, for example, to identify, in samples, mutations linked to variations such as intraspecies variations. These variations may be correlated or associated with pathologies specific to the variant identified and will make it possible to select the appropriate treatment.

The invention thus comprises a DNA chip according to the invention, characterized in that it contains, in addition, at least one nucleotide sequence of a microorganism different from *Chlamydia pneumoniae*, immobilized on the support of the said chip; preferably, the different microorganism will be chosen from an associated microorganism, a bacterium of the *Chlamydia* family, and a variant of the species *Chlamydia pneumoniae*.

Another subject of the present invention is a vector for the cloning and/or the expression of a sequence, characterized in that it contains a nucleotide sequence according to the invention. Among the said vectors according to the invention, the vectors containing a nucleotide sequence encoding a polypeptide of the cellular, preferably outer, envelope of Chlamydia pneumoniae or one of 10 its representative fragments, are preferred. In a specific embodiment, the vectors contain a nucleotide sequence encoding a Chlamydia pneumoniae secreted polypeptide or one of its representative fragments or encoding a transport polypeptide, a surface exposed polypeptide, a lipoprotein or one of its representative fragments, a polypeptide involved in lipopolysaccharide (LPS) biosynthesis, a Type III and non-Type III secreted polypeptide, a polypeptide containing RGD attachment sites, a cell wall 15 anchored surface polypeptide, a polypeptide not found in Chlamydia trachomatis, a ribosomal polypeptide or a polypeptide involved in secretion, transcription, translation, maturation of proteins, a polypeptide involved in the synthesis of the wall, a polypeptide involved in the virulence, a polypeptide involved in the intermediate metabolism, in particular in the metabolism of sugars and/or of cofactors, a polypeptide involved in the metabolism of nucleotides, of amino acids, of nucleic acids 20 or of fatty acids of Chlamydia pneumoniae or one of their representative fragments, or a polypeptide specific to Chlamydia pneumoniae.

According to the invention, the vectors comprise the elements necessary to allow the expression and/or the secretion of the said nucleotide sequences in a given host cell, and form part of the invention. The vector should, in this case, comprise a promoter, signals for initiation and for termination of translation, as well as appropriate regions for regulation of transcription. It should be capable of being stably maintained in the host cell and may optionally possess particular signals specifying the secretion of the translated protein. These different elements are chosen according to the host cell used. To this effect, the nucleotide sequences according to the invention may be inserted into autonomously-replicating vectors within the chosen host, or integrative vectors in the chosen host.

Any of the standard methods known to those skilled in the art for the insertion of DNA fragments into a vector may be used to construct expression vectors containing a chimeric gene consisting of appropriate transcriptional/translational control signals and the protein coding sequences. These methods may include *in vitro* recombinant DNA and synthetic techniques and *in vivo* recombinants (genetic recombination).

30

35

Expression of a polypeptide, peptide or derivative, or analogs thereof encoded by a polynucleotide sequence in SEQ ID No. 1 or ORFs contained within SEQ ID No. 1 may be regulated by a second nucleic acid sequence so that the protein or peptide is expressed in a host transformed

with the recombinant DNA molecule. For example, expression of a protein or peptide may be controlled by any promoter/enhancer element known in the art. Promoters which may be used to control expression include, but are not limited to, the CMV promoter, the SV40 early promoter region (Bernoist and Chambon, 1981, Nature 290:304-310), the promoter contained in the 3' long terminal repeat of Rous sarcoma virus (Yamamoto, et al., 1980, Cell 22:787-797), the herpes thymidine kinase promoter (Wagner et al., 1981, Proc. Natl. Acad. Sci. U.S.A. 78:1441-1445), the regulatory sequences of the metallothionein gene (Brinster et al., 1982, Nature 296:39-42); prokaryotic expression vectors such as the 3-lactamase promoter (Villa-Kamaroff, et al., 1978, Proc. Natl. Acad. Sci. U.S.A. 75:3727-3731), or the tac promoter (DeBoer, et al., 1983, Proc. Natl. Acad. Sci. U.S.A. 80:21-25); see 10 also "Useful proteins from recombinant bacteria" in Scientific American, 1980, 242:74-94; plant expression vectors comprising the nopaline synthetase promoter region (Herrera-Estrella et al., 1983, Nature 303:209-213) or the cauliflower mosaic virus 35S RNA promoter (Gardner, et al., 1981, Nucl. Acids Res. 9:2871), and the promoter of the photosynthetic enzyme ribulose biphosphate carboxylase (Herrera-Estrella et al., 1984, Nature 310:115-120); promoter elements from yeast or other fungi such 15 as the Gal 4 promoter, the ADC (alcohol dehydrogenase) promoter, PGK (phosphoglycerol kinase) promoter, alkaline phosphatase promoter, and the following animal transcriptional control regions, which exhibit tissue specificity and have been utilized in transgenic animals: elastase I gene control region which is active in pancreatic acinar cells (Swift et al., 1984, Cell 38:639-646; Ornitz et al., 1986, Cold Spring Harbor Symp. Quant. Biol. <u>50</u>:399-409; MacDonald, 1987, Hepatology <u>7</u>:425-515); 20 insulin gene control region which is active in pancreatic beta cells (Hanahan, 1985, Nature 315:115-122), immunoglobulin gene control region which is active in lymphoid cells (Grosschedl et al., 1984, Cell 38:647-658; Adames et al., 1985, Nature 318:533-538; Alexander et al., 1987, Mol. Cell. Biol. 7:1436-1444), mouse mammary tumor virus control region which is active in testicular, breast, lymphoid and mast cells (Leder et al., 1986, Cell 45:485-495), albumin gene control region which is 25 active in liver (Pinkert et al., 1987, Genes and Devel. 1:268-276), alpha-fetoprotein gene control region which is active in liver (Krumlauf et al., 1985, Mol. Cell. Biol. 5:1639-1648; Hammer et al., 1987, Science 235:53-58; alpha 1-antitrypsin gene control region which is active in the liver (Kelsey et al., 1987, Genes and Devel. 1:161-171), beta-globin gene control region which is active in myeloid cells (Mogram et al., 1985, Nature 315:338-340; Kollias et al., 1986, Cell 46:89-94; myelin basic protein gene control region which is active in oligodendrocyte cells in the brain (Readhead et al., 1987, Cell 48:703-712); myosin light chain-2 gene control region which is active in skeletal muscle (Sani, 1985, Nature 314:283-286), and gonadotropic releasing hormone gene control region which is active in the hypothalamus (Mason et al., 1986, Science 234:1372-1378).

The vectors according to the invention are, for example, vectors of plasmid or viral origin. In a specific embodiment, a vector is used that comprises a promoter operably linked to a protein or peptide-encoding a nucleic acid sequence in SEQ ID No. 1, or ORFs contained within SEQ ID No. 1, one or more origins of replication, and, optionally, one or more selectable markers (e.g., an

antibiotic resistance gene). Expression vectors comprise regulatory sequences that control gene expression, including gene expression in a desired host cell. Preferred vectors for the expression of the polypeptides of the invention include the pET-type plasmid vectors (Promega) or pBAD plasmid vectors (Invitrogen). Furthermore, the vectors according to the invention are useful for transforming host cells so as to clone or express the nucleotide sequences of the invention.

Expression can also be achieved using targeted homologous recombination to activate Chlamydia pneumoniae genes present in the cloned genomic DNA. A heterologous regulatory element may be inserted into a stable cell line or cloned microorganism, such that it is operatively linked with an endogenous Chlamydia pneumoniae gene present in the cloned genome, using techniques, such as targeted homologous recombination, which are well known to those of skill in the art (See, e.g., Chappel, U.S. Patent No. 4,215,051 and Skoultchi, WO 91/06667 each of which is incorporated herein in its entirety).

Expression vector/host cell systems containing inserts of polynucleotide sequences in SEQ ID No. 1 or ORFs within SEQ ID No. 1, which encode polypeptides, peptides or derivatives, or 15 analogs thereof, can be identified by three general approaches: (a) nucleic acid hybridization, (b) presence or absence of "marker" gene functions, and (c) expression of inserted sequences. In the first approach, the presence of a polynucleotide sequence inserted in an expression vector can be detected by nucleic acid hybridization using probes comprising sequences that are homologous to an inserted polynucleotide sequence. In the second approach, the recombinant vector/host system can be 20 identified and selected based upon the presence or absence of certain "marker" gene functions (e.g., thymidine kinase activity, resistance to antibiotics, transformation phenotype, occlusion body formation in baculovirus, etc.) caused by the insertion of a polynucleotide sequence in the vector. For example, if the polynucleotide sequence in SEQ ID No. 1 or ORFs within SEQ ID No. 1 is inserted within the marker gene sequence of the vector, recombinants containing the insert can be identified by 25 the absence of the marker gene function. In the third approach, recombinant expression vectors can be identified by assaying the product of the polynucleotide sequence expressed by the recombinant. Such assays can be based, for example, on the physical or functional properties of the expressed polypeptide in in vitro assay systems, e.g., binding with antibody, promotion of cell proliferation.

Once a particular recombinant DNA molecule is identified and isolated, several methods 30 known in the art may be used to propagate it. The clones identified may be introduced into an appropriate host cell by standard methods, such as for example lipofection, electroporation, and heat shock. Once a suitable host system and growth conditions are established, recombinant expression vectors can be propagated and prepared in quantity.

The invention also encompasses the host cells transformed by a vector according to the invention. These cells may be obtained by introducing into host cells a nucleotide sequence inserted into a vector as defined above, and then culturing the said cells under conditions allowing the replication and/or the expression of the transfected nucleotide sequence.

The host cell may be chosen from eukaryotic or prokaryotic systems, such as for example bacterial cells (Olins and Lee, 1993), but also yeast cells (Buckholz, 1993), as well as animal cells, in particular cultures of mammalian cells (Edwards and Aruffo, 1993), and in particular Chinese hamster ovary (CHO) cells, but also insect cells in which methods using baculoviruses for example may be used (Luckow, 1993).

Furthermore, a host cell strain may be chosen which modulates the expression of the inserted sequences, or modifies and processes the gene product in the specific fashion desired. Expression from certain promoters can be elevated in the presence of certain inducers; thus, expression of the genetically engineered polypeptide may be controlled. Furthermore, different host 10 cells have characteristic and specific mechanisms for the translational and post-translational processing and modification (e.g., glycosylation, phosphorylation) of proteins. Appropriate cell lines or host systems can be chosen to ensure the desired modification and processing of the foreign protein expressed. For example, expression in a bacterial system can be used to produce an unglycosylated core protein product. Expression in yeast will produce a glycosylated product. Expression in mammalian cells can be used to ensure "native" glycosylation of a heterologous protein. Furthermore, different vector/host expression systems may effect processing reactions to different extents.

A preferred host cell for the expression of the proteins of the invention consists of prokaryotic cells, such as Gram' bacteria. A further preferred host cell according to the invention is a bacterium belonging to the Chlamydia family, more preferably belonging to the species Chlamydia 20 pneumoniae or chosen from a microorganism associated with the species Chlamydia pneumoniae.

In other specific embodiments, the polypeptides, peptides or derivatives, or analogs thereof may be expressed as a fusion, or chimeric protein product (comprising the protein, fragment, analog, or derivative joined via a peptide bond to a heterologous protein sequence (of a different protein)). Such a chimeric product can be made by ligating the appropriate nucleic acid sequences 25 encoding the desired amino acid sequences to each other by methods known in the art, in the proper coding frame, and expressing the chimeric product by methods commonly known in the art. Alternatively, such a chimeric product may be made by protein synthetic techniques, e.g., by use of a peptide synthesizer.

Genomic sequences can be cloned and expressed as translational gene products (i.e., peptides, polypeptides, and proteins) or transcriptional gene products (i.e., antisense and ribozymes).

The invention further relates to the intracellular production of an antisense nucleic acid sequence of SEQ ID No. 1 by transcription from an exogenous sequence. For example, a vector can be introduced in vivo such that it is taken up by a cell, within which cell the vector or a portion thereof is transcribed, producing an antisense nucleic acid (RNA) of the invention. Such a vector would 35 contain a sequence encoding an antisense nucleic acid. Such a vector can remain episomal or become chromosomally integrated, as long as it can be transcribed to produce the desired antisense RNA. Such vectors can be constructed by recombinant DNA technology methods standard in the art.

Vectors can be plasmid, viral, or others known in the art, used for replication and expression in mammalian cells. Expression of the sequence encoding the an antisense RNA can be by any promoter known in the art to act in mammalian, preferably human, cells. Such promoters can be inducible or constitutive. Such promoters include but are not limited to: the CMV promoter, the SV40 early promoter region (Bernoist and Chambon, 1981, Nature 290:304-310), the promoter contained in the 3N long terminal repeat of Rous sarcoma virus (Yamamoto et al., 1980, Cell 22:787-797), the herpes thymidine kinase promoter (Wagner et al., 1981, Proc. Natl. Acad. Sci. U.S.A. 78:1441-1445), the regulatory sequences of the metallothionein gene (Brinster et al., 1982, Nature 296:39-42), etc.

In a specific embodiment, the antisense oligonucleotide comprises catalytic RNA, or a ribozyme (see, e.g., PCT International Publication WO 90/11364, published October 4, 1990; Sarver et al., 1990, Science 247:1222-1225). In another embodiment, the oligonucleotide is a 2N-0-methylribonucleotide (Inoue et al., 1987, Nucl. Acids Res. 15:6131-6148), or a chimeric RNA-DNA analog (Inoue et al., 1987, FEBS Lett. 215:327-330).

In another embodiment, the antisense nucleic acids of the invention comprise a sequence 15 complementary to at least a portion of an RNA transcript of a polynucleotide sequence in SEQ ID No.

1. However, absolute complementarity, although preferred, is not required. A sequence "complementary to at least a portion of an RNA," as referred to herein, means a sequence having sufficient complementarity to be able to hybridize with the RNA, forming a stable duplex; in the case of double-stranded antisense nucleic acid sequence, a single strand of the duplex DNA may thus be 120 tested, or triplex formation may be assayed. The ability to hybridize will depend on both the degree of complementarity and the length of the antisense nucleic acid. Generally, the longer the hybridizing nucleic acid, the more base mismatches with an RNA transcribed from SEQ ID No. 1 may contain and still form a stable duplex (or triplex, as the case may be). One skilled in the art can ascertain a tolerable degree of mismatch by use of standard procedures to determine the melting point of the hybridized complex.

The invention also relates to the animals, except humans, comprising one of the above-described transformed cells according to the invention.

The production of transgenic animals according to the invention overexpressing one or more of the *Chlamydia pneumoniae* genes will be preferably carried out on rats, mice or rabbits according to methods well known to persons skilled in the art such as viral or nonviral transfections. The transgenic animals overexpressing one or more of the said genes may be obtained by transfection of multiple copies of the said genes under the control of a powerful promoter of a ubiquitous nature, or which is selective for one type of tissue. The transgenic animals may also be obtained by homologous recombination on embryonic stem cells, transfer of these stem cells to embryos, selection of the chimeras affected at the level of the reproductive lines, and growth of the said chimeras.

The transformed cells as well as the transgenic animals according to the invention can be used in methods of preparing the recombinant polypeptide.

It is now possible to produce recombinant polypeptides in a relatively large quantity by genetic engineering using the cells transformed with expression vectors according to the invention or using transgenic animals according to the invention.

The methods of preparing a polypeptide of the invention in recombinant form, characterized in that they use a vector and/or a cell transformed with a vector according to the invention and/or a transgenic animal comprising one of the said transformed cells according to the invention, are themselves included in the present invention.

Among the said methods of preparing a polypeptide of the invention in recombinant form, the methods of preparation using a vector, and/or a cell transformed with the said vector and/or a transgenic animal comprising one of the said transformed cells, containing a nucleotide sequence encoding a polypeptide of the cellular envelope of *Chlamydia pneumoniae* or one of its representative fragments, more preferably encoding a polypeptide of the outer cellular envelope of *Chlamydia pneumoniae* or one of its fragment, are preferred.

Among the said methods of preparing a polypeptide of the invention in recombinant form, the methods of preparation using a vector, and/or a cell transformed with the said vector and/or a transgenic animal comprising one of the said transformed cells, containing a nucleotide sequence encoding a Chlamydia pneumoniae secreted polypeptide or one of its representative fragments or encoding a transport polypeptide, a surface exposed polypeptide, a lipoprotein or one of its representative fragments, a polypeptide involved in lipopolysaccharide biosynthesis, a Type III or other secreted polypeptide, a polypeptide containing RGD attachment sites, a cell wall anchored surface polypeptide, a polypeptide not found in Chlamydia trachomatis, a ribosomal polypeptide or a polypeptide involved in secretion, transcription, translation, maturation of proteins, a polypeptide involved in the synthesis of the wall, a polypeptide involved in the virulence, a polypeptide involved in the intermediate metabolism, in particular in the metabolism of sugars and/or of cofactors, a polypeptide involved in the metabolism of nucleotides, of amino acids, of nucleic acids or of fatty acids of Chlamydia pneumoniae or one of their representative fragments, or a polypeptide specific to Chlamydia pneumoniae, are also preferred.

The recombinant polypeptides obtained as indicated above may be provided either in glycosylated or non-glycosylated form and may or may not have the natural tertiary structure.

A preferred variant consists in producing a recombinant polypeptide fused to a "carrier" protein (chimeric protein). The advantage of this system is that it allows a stabilization and a reduction in proteolysis of the recombinant product, an increase in solubility during renaturation in vitro and/or a simplification of purification when the fusion partner has affinity for a specific ligand.

30

More particularly, the invention relates to a method of preparing a polypeptide of the invention comprising the following steps:

a) culture of the transformed cells under conditions allowing the expression of a recombinant polypeptide having a nucleic acid sequence according to the invention;

b) where appropriate, recovery of the said recombinant polypeptide.

When the method of preparing a polypeptide of the invention uses a transgenic animal according to the invention, the recombinant polypeptide is then extracted from the said animal.

The subject of the invention is also a polypeptide capable of being obtained by a method of the invention as described above.

The invention also comprises a method of preparing a synthetic polypeptide, characterized in that it uses an amino acid sequence of polypeptides according to the invention.

The invention also relates to a synthetic polypeptide obtained by a method according to the invention.

Polypeptides according to the invention may also be prepared by conventional techniques in the field of peptide synthesis under conditions suitable to produce the polypeptides encoded by the polynucleotide of the invention. This synthesis may be carried out in and recovered from a homogeneous solution or on a solid phase.

For example, the synthesis technique in a homogeneous solution described by 15 Houbenweyl in 1974 may be used.

This method of synthesis consists in successively condensing, in pairs, the successive amino acids in the required order, or in condensing amino acids and fragments previously formed and already containing several amino acids in the appropriate order, or alternatively several fragments thus previously prepared, it being understood that care will have been taken to protect beforehand all the reactive functional groups carried by these amino acids or fragments, with the exception of the amine functional groups of one and the carboxyl functional groups of the other or vice versa, which should normally take part in the formation of the peptide bonds, in particular after activation of the carboxyl functional group, according to methods well known in peptide synthesis.

According to another preferred technique of the invention, the one described by 25 Merrifield is used.

To manufacture a peptide chain according to the Merrifield method, a highly porous polymer resin is used, onto which the first C-terminal amino acid of the chain is attached. This amino acid is attached onto a resin via its carboxyl group and its amine functional group is protected. The amino acids which will constitute the peptide chain are thus attached, one after another, onto the amine group, each time deprotected beforehand, of the portion of the peptide chain already formed, and which is attached to the resin. When the entire peptide chain desired is formed, the protecting groups are removed from the various amino acids constituting the peptide chain and the peptide is detached from the resin with the aid of an acid.

The invention relates, in addition, to hybrid (fusion) polypeptides having at least one polypeptide or one of its representative fragments according to the invention, and a sequence of a polypeptide capable of eliciting an immune response in humans or animals.

Advantageously, the antigenic determinant is such that it is capable of eliciting a humoral

An antigenic determinant may be identified by screening cellular response. expression libraries of the Chlamydia pneumoniae genome with antibodies contained in the serum of patients infected with a bacterium belonging to the species Chlamydia pneumoniae. An antigenic determinant may comprise a polypeptide or one of its representative fragments according to the invention, in glycosylated form, used in order to obtain immunogenic compositions capable of inducing the synthesis of antibodies directed against multiple epitopes. The said polypeptides or their glycosylated fragments also form part of the invention.

These hybrid molecules may consist, in part, of a carrier molecule for polypeptides or for their representative fragments according to the invention, combined with a portion which may be 10 immunogenic, in particular an epitope of the diphtheria toxin, the tetanus toxin, a hepatitis B virus surface antigen (patent FR 79 21811), the poliomyelitis virus VP1 antigen or any other viral or bacterial toxin or antigen.

The methods of synthesizing the hybrid molecules include the methods used in genetic engineering to construct hybrid nucleotide sequences encoding the desired polypeptide sequences. 15 Reference may be advantageously made, for example, to the technique for producing genes encoding fusion proteins described by Minton in 1984.

The said hybrid nucleotide sequences encoding a hybrid polypeptide as well as the hybrid polypeptides according to the invention, characterized in that they are recombinant polypeptides obtained by the expression of the said hybrid nucleotide sequences, also form part of the invention.

The invention also comprises the vectors characterized in that they contain one of the said hybrid nucleotide sequences. The host cells transformed by the said vectors, the transgenic animals comprising one of the said transformed cells as well as the methods of preparing recombinant polypeptides using the said vectors, the said transformed cells and/or the said transgenic animals of course also form part of the invention.

20

25

The polypeptides according to the invention, the antibodies according to the invention described below and the nucleotide sequences according to the invention may advantageously be used in in vitro and/or in vivo methods for the detection and/or the identification of bacteria belonging to the species Chlamydia pneumoniae, in a biological sample (biological tissue or fluid) which is likely to contain them. These methods, depending on the specificity of the polypeptides, of the antibodies and of the nucleotide sequences according to the invention which will be used, may in particular detect and/or identify the bacterial variants belonging to the species Chlamydia pneumoniae as well as the associated microorganisms capable of being detected by the polypeptides, the antibodies and the nucleotide sequences according to the invention which will be chosen. It may, for example, be advantageous to choose a polypeptide, an antibody or a nucleotide sequence according to the 35 invention, which is capable of detecting any bacterium of the Chlamydia family by choosing a polypeptide, an antibody and/or a nucleotide sequence according to the invention which is specific to the family or, on the contrary, it will be most particularly advantageous to target a variant of the

species *Chlamydia pneumoniae*, which is responsible, for example, for the induction or the worsening of pathologies specific to the targeted variant, by choosing a polypeptide, an antibody and/or a nucleotide sequence according to the invention which is specific to the said variant.

The polypeptides according to the invention may advantageously be used in a method for the detection and/or the identification of bacteria belonging to the species *Chlamydia pneumoniae* or to an associated microorganism, in a biological sample (biological tissue or fluid) which is likely to contain them, characterized in that it comprises the following steps:

- a) bringing this biological sample into contact with a polypeptide or one of its representative fragments according to the invention (under conditions allowing an immunological reaction between
 the said polypeptide and the antibodies which may be present in the biological sample);
 - b) detecting the antigen-antibody complexes which may be formed.

Preferably, the biological sample consists of a fluid, for example a human or animal serum, blood or biopsies.

Any conventional procedure may be used to carry out such a detection of the antigenantibody complexes which may be formed.

By way of example, a preferred method uses immunoenzymatic procedures based on the ELISA technique, immunofluorescence procedures or radioimmunological procedures (RIA), and the like.

Accordingly, the invention also relates to the polypeptides according to the invention, 20 labelled with the aid of a suitable label such as a label of the enzymatic, fluorescent or radioactive type.

Such methods comprise, for example, the following steps:

- deposition of defined quantities of a polypeptide composition according to the invention into the wells of a microtitre plate,
- 25 introduction, into the said wells, of increasing dilutions of serum, or of a different biological sample as defined above, which has to be analysed,
 - incubation of the microplate,
- introduction, into the wells of the microtitre plate, of labelled antibodies directed against human or animal immunoglobulins, these antibodies having been labelled with the aid of an enzyme selected from those which are capable of hydrolyzing a substrate, thereby modifying the absorption of the radiation of the latter, at least at a defined wavelength, for example at 550 nm,
 - detection, by comparison with a control, of the quantity of substrate hydrolyzed.

The invention also relates to a kit or set for the detection and/or the identification of bacteria belonging to the species *Chlamydia pneumoniae* or to an associated microorganism, characterized in that it comprises the following components:

- a polypeptide according to the invention,

where appropriate, the reagents for constituting the medium appropriate for the immunological or specific reaction,

60

the reagents allowing the detection of the antigen-antibody complexes produced by the immunological reaction between the polypeptide(s) of the invention and the antibodies which may be present in the biological sample, it being possible for these reagents also to carry a label, or to be capable of being recognized in turn by a labelled reagent, more particularly in the case where the polypeptide according to the invention is not labelled,

5

- where appropriate, a reference biological sample (negative control) free of antibodies recognized by a polypeptide according to the invention,
- 10 where appropriate, a reference biological sample (positive control) containing a predetermined quantity of antibodies recognized by a polypeptide according to the invention.

According to the invention, the polypeptides, peptides, fusion proteins or other derivatives, or analogs thereof encoded by a polynucleotide sequence in SEQ ID No. 1, may be used as an immunogen to generate antibodies which immunospecifically bind such an immunogen. Such antibodies may include, but are not limited to, polyclonal and monoclonal antibodies, humanized or chimeric antibodies, single chain antibodies, Fab fragments, F(ab')₂ fragments, fragments produced by a Fab expression library, anti-idiotypic (anti-Id) antibodies, and epitope-binding fragments of any of the above. In a specific embodiment, the antibody to a polypeptide, peptide or other derivative, or analog thereof encoded by a polynucleotide sequence in SEQ ID No. 1 is a bispecific antibody (see generally, e.g. Fanger and Drakeman, 1995, Drug News and Perspectives 8: 133-137). Such a bispecific antibody is genetically engineered to recognize both (1) an epitope and (2) one of a variety of "trigger" molecules, e.g. Fc receptors on myeloid cells, and CD3 and CD2 on T cells, that have been identified as being able to cause a cytotoxic T-cell to destroy a particular target. Such bispecific antibodies can be prepared either by chemical conjugation, hybridoma, or recombinant molecular biology techniques known to the skilled artisan.

Various procedures known in the art may be used for the production of polyclonal antibodies to a polypeptide, peptide or other derivative, or analog thereof encoded by a polynucleotide sequence in SEQ ID No. 1. For the production of antibody, various host animals can be immunized by injection with a polypeptide, or peptide or other derivative, or analog thereof, including but not limited to rabbits, mice, rats, etc. Various adjuvants, depending on the host species, may be used to increase the immunological response, including but not limited to StimulonTM QS-21 (Aquila Biopharmaceuticals, Inc., Framingham, MA), MPLTM (3-O-deacylated monophosphoryl lipid A; RIBI ImmunoChem Research, Inc., Hamilton, MT), aluminum phosphate, IL-12 (Genetics Institute, Cambridge, MA), Freund's (complete and incomplete), mineral gels such as aluminum hydroxide, surface active substances such as lysolecithin, pluronic polyols, polyanions, peptides, oil emulsions, keyhole limpet hemocyanins, dinitrophenol, BCG (bacille Calmette-Guerin), and corynebacterium parvum.—Alternatively, polyclonal antibodies may be prepared by purifying, on an affinity column

onto which a polypeptide according to the invention has been previously attached, the antibodies contained in the serum of patients infected with a bacterium belonging to the species Chlamydia pneumoniae.

For preparation of monoclonal antibodies directed toward a polypeptide, peptide or other derivative, or analog, any technique which provides for the production of antibody molecules by continuous cell lines in culture may be used. For example, the hybridoma technique originally developed by Kohler and Milstein (1975, Nature 256:495-497), as well as the trioma technique, the human B-cell hybridoma technique (Kozbor et al., 1983, Immunology Today 4:72), and the EBVhybridoma technique to produce human monoclonal antibodies (Cole et al., 1985, in Monoclonal 10 Antibodies and Cancer Therapy, Alan R. Liss, Inc., pp. 77-96). In an additional embodiment of the invention, monoclonal antibodies can be produced in germ-free animals utilizing technology described in PCT/US90/02545. In another embodiment of the invention, transgenic non-human animals can be used for the production of human antibodies utilizing technology described in WO 98/24893 and WO 96/33735. According to the invention, human antibodies may be used and can be obtained by using 15 human hybridomas (Cote et al., 1983, Proc. Natl. Acad. Sci. U.S.A. 80:2026-2030) or by transforming human B cells with EBV virus in vitro (Cole et al., 1985, in Monoclonal Antibodies and Cancer Therapy, Alan R. Liss, pp. 77-96). In fact, according to the invention, techniques developed for the production of "chimeric antibodies" (Morrison et al., 1984, PROC. NATL. ACAD. SCI. U.S.A. 81:6851-6855; Neuberger et al., 1984, Nature 312:604-608; Takeda et al., 1985, Nature 314:452-454) 20 by splicing the genes from a mouse antibody molecule specific for a polypeptide, peptide or other derivative, or analog together with genes from a human antibody molecule of appropriate biological activity can be used; such antibodies are within the scope of this invention.

According to the invention, techniques described for the production of single chain antibodies (U.S. Patent 4,946,778) can be adapted to produce polypeptide or peptide-specific single chain antibodies. An additional embodiment of the invention utilizes the techniques described for the construction of Fab expression libraries (Huse et al., 1989, Science 246:1275-1281) to allow rapid and easy identification of monoclonal Fab fragments with the desired specificity for polypeptides, derivatives, or analogs.

Antibody fragments which contain the idiotype of the molecule can be generated by known techniques. For example, such fragments include but are not limited to: the F(ab')₂ fragment which can be produced by pepsin digestion of the antibody molecule; the Fab' fragments which can be generated by reducing the disulfide bridges of the F(ab')₂ fragment, the Fab fragments which can be generated by treating the antibody molecule with papain and a reducing agent, and Fv fragments.

In addition, techniques have been developed for the production of chimerized (See, e.g., 35 Boss, M. et al., U.S. Patent No. 4,816,397; and Cabilly, S. et al., U.S. Patent No. 5,585,089 each of which is incorporated herein by reference in its entirety) humanized antibodies (See, e.g., Queen, U.S. Patent No. 5,585,089, which is incorporated herein by reference in its entirety.) An immunoglobulin

light or heavy chain variable region consists of a "framework" region interrupted by three hypervariable regions, referred to as complementarily determining regions (CDRs). The extent of the framework region and CDRs have been precisely defined (See, "Sequences of Proteins of Immunological Interest", Kabat, E. et al., U.S. Department of Health and Human Services (1983).

Briefly, humanized antibodies are antibody molecules from non-human species having one or more CDRs from the non-human species and a framework from a human immunoglobulin molecule.

The antibodies of the invention may also be labelled in the same manner as described above for the nucleic probes of the invention such as an enzymatic, fluorescent or radioactive type labelling.

- The invention relates, in addition, to a method for the detection and/or the identification of bacteria belonging to the species *Chlamydia pneumoniae* or to an associated microorganism in a biological sample, characterized in that it comprises the following steps:
- a) bringing the biological sample (biological tissue or fluid) into contact with a mono- or polyclonal antibody according to the invention (under conditions allowing an immunological reaction between the said antibodies and the polypeptides of the bacterium belonging to the species Chlamydia pneumoniae or to an associated microorganism which may be present in the biological sample, that is, under conditions suitable for the formation of immune complexes);
 - b) detecting the antigen-antibody complex which may be formed.
- Also falling within the scope of the invention is a kit or set for the detection and/or the identification of bacteria belonging to the species *Chlamydia pneumoniae* or to an associated microorganism, characterized in that it comprises the following components:
 - a polyclonal or monoclonal antibody according to the invention, labeled where appropriate;
 - where appropriate, a reagent for constituting the medium appropriate for carrying out the immunological reaction;
 - a reagent allowing the detection of the antigen-antibody complexes produced by the immunological reaction, it being possible for this reagent also to carry a label, or to be capable of being recognized in turn by a labelled reagent, more particularly in the case where the said monoclonal or polyclonal antibody is not labelled;
- 30 where appropriate, reagents for carrying out the lysis of the cells in the sample tested.

The principle of the DNA chip which was explained above may also be used to produce protein "chips" on which the support has been coated with a polypeptide or an antibody according to the invention, or arrays thereof, in place of the DNA. These protein "chips" make it possible, for example, to analyze the biomolecular interactions (BIA) induced by the affinity capture of target analytes onto a support coated, for example, with proteins, by surface plasma resonance (SPR). Reference may be made, for example, to the techniques for coupling proteins onto a solid support which are described in EP 524 800 or to the methods describing the use of biosensor-type protein

chips such as the BIAcore-type technique (Pharmacia) (Arlinghaus et al., 1997, Krone et al., 1997, Chatelier et al., 1995). These polypeptides or antibodies according to the invention, capable of specifically binding antibodies or polypeptides derived from the sample to be analysed, may thus be used in protein chips for the detection and/or the identification of proteins in samples. The said protein chips may in particular be used for infectious diagnosis and may preferably contain, per chip, several polypeptides and/or antibodies of the invention of different specificity, and/or polypeptides and/or antibodies capable of recognizing microorganisms different from *Chlamydia pneumoniae*.

Accordingly, the subject of the present invention is also the polypeptides and the antibodies according to the invention, characterized in that they are immobilized on a support, in particular of a protein chip.

The protein chips, characterized in that they contain at least one polypeptide or one antibody according to the invention immobilized on the support of the said chip, also form part of the invention.

The invention comprises, in addition, a protein chip according to the invention, that it contains, in addition, at least one polypeptide of a microorganism different from *Chlamydia pneumoniae* or at least one antibody directed against a compound of a microorganism different from *Chlamydia pneumoniae*, immobilized on the support of the said chip.

The invention also relates to a kit or set for the detection and/or the identification of bacteria belonging to the species *Chlamydia pneumoniae* or to an associated microorganism, or for the detection and/or the identification of a microorganism characterized in that it comprises a protein chip according to the invention.

The subject of the present invention is also a method for the detection and/or the identification of bacteria belonging to the species *Chlamydia pneumoniae* or to an associated microorganism in a biological sample, characterized in that it uses a nucleotide sequence according to the invention.

More particularly, the invention relates to a method for the detection and/or the identification of bacteria belonging to the species *Chlamydia pneumoniae* or to an associated microorganism in a biological sample, characterized in that it comprises the following steps:

- a) where appropriate, isolation of the DNA from the biological sample to be analysed, or optionally
 30 production of a cDNA from the RNA in the biological sample;
 - b) specific amplification of the DNA of bacteria belonging to the species *Chlamydia pneumoniae* or to an associated microorganism with the aid of at least one primer according to the invention;
 - c) detection of the amplification products.
- These may be detected, for example, by the molecular hybridization technique using a nucleic probe according to the invention. This probe will be advantageously labelled with a nonradioactive (cold probe) or radioactive element.

20

For the purposes of the present invention, "DNA in the biological sample" c "DNA contained in the biological sample" will be understood to mean either the DNA present in th biological sample considered, or optionally the cDNA obtained after the action of a reverse transcriptase-type enzyme on the RNA present in the said biological sample.

Another aim of the present invention consists in a method according to the invention characterized in that it comprises the following steps:

- bringing a nucleotide probe according to the invention into contact with a biological sample, the a) DNA contained in the biological sample having, where appropriate, been previously made accessible to hybridization, under conditions allowing the hybridization of the probe to complementary base pairs of the DNA of a bacterium belonging to the species Chlamydia 10 pneumoniae or to an associated microorganism;
 - detecting the hybridization complex formed between the nucleotide probe and the DNA in the b) biological sample.

The present invention also relates to a method according to the invention, characterized in 15. that it comprises the following steps:

- bringing a nucleotide probe immobilized on a support according to the invention into contact a) with a biological sample, the DNA in the sample having, where appropriate, been previously made accessible to hybridization, under conditions allowing the hybridization of the probe to the DNA of a bacterium belonging to the species Chlamydia pneumoniae or to an associated microorganism:
- bringing the hybrid formed between the nucleotide probe immobilized on a support and the DNA b) contained in the biological sample, where appropriate after removal of the DNA in the biological sample which has not hybridized with the probe, into contact with a labelled nucleotide probe according to the invention;
- detecting the new hybrid formed in step b). 25 c)

According to an advantageous embodiment of the method for the detection and/or the identification defined above, it is characterized in that, prior to step a), the DNA in the biological sample is primer-extended and/or amplified beforehand with the aid of at least one primer according to

- 30 The invention relates, in addition, to a kit or set for the detection and/or the identification of bacteria belonging to the species Chlamydia pneumoniae or to an associated microorganism, characterized in that it comprises the following components:
 - a nucleotide probe according to the invention; a)
 - where appropriate, the reagents necessary for carrying out a hybridization reaction; b)
- where appropriate, at least one primer according to the invention as well as the reagents (e.g., 35 c). polymerase and/or deoxynucleotide triphosphates) necessary for a DNA amplification reaction.

The invention also relates to a kit or set for the detection and/or the identification of bacteria belonging to the species *Chlamydia pneumoniae* or to an associated microorganism, characterized in that it comprises the following components:

- a) a nucleotide probe, called capture probe, according to the invention;
- 5 b) an oligonucleotide probe, called detection probe, according to the invention;
 - c) where appropriate, at least one primer according to the invention as well as the reagents (e.g., polymerase and/or deoxynucleotide triphosphates) necessary for a DNA amplification reaction.

The invention also relates to a kit or set for the detection and/or the identification of bacteria belonging to the species *Chlamydia pneumoniae* or to an associated microorganism, characterized in that it comprises the following components:

- a) at least one primer according to the invention;
- b) where appropriate, the reagents necessary for carrying out a DNA amplification reaction;
- c) where appropriate, a component which makes it possible to check the sequence of the amplified fragment, more particularly an oligonucleotide probe according to the invention.

The invention relates, in addition, to a kit or set for the detection and/or the identification of bacteria belonging to the species *Chlamydia pneumoniae* or to an associated microorganism, or for the detection and/or the identification of a microorganism characterized in that it comprises a DNA chip according to the invention.

The invention also relates to a method or to a kit or set according to the invention for the detection and/or the identification of bacteria belonging to the species Chlamydia pneumoniae, characterized in that the said primer and/or the said probe according to the invention are chosen from the nucleotide sequences specific to the species Chlamydia pneumoniae, in that the said polypeptides according to the invention are chosen from the polypeptides specific to the species Chlamydia pneumoniae and in that the said antibodies according to the invention are chosen from the antibodies directed against the polypeptides according to the invention chosen from the polypeptides specific to the species Chlamydia pneumoniae.

Preferably, the said method or the said kit or set above according to the invention, for the detection and/or the identification of bacteria belonging to the species Chlamydia pneumoniae is characterized in that the said primer and/or the said probe or the said polypeptides are chosen from the nucleotide sequences or polypeptides according to the invention which have been identified as being specific to the species Chlamydia pneumoniae and in that the said antibodies according to the invention are chosen from the antibodies directed against the polypeptides according to the invention chosen from the polypeptides identified as being specific to the species Chlamydia pneumoniae.

The invention relates, in addition, to a method or a kit or set according to the invention for the diagnosis of predispositions to, or of a condition caused by, cardiovascular diseases, preferably linked to the presence of atheroma, which are induced or worsened by a *Chlamydia pneumoniae*

infection.

5

20

25

30

The invention also relates to a method or a kit or set according to the invention for the diagnosis of predispositions to, or of conditions caused by, respiratory diseases induced or worsened by a Chlamydia pneumoniae infection; preferably, the said respiratory disease is asthma.

According to another aspect, the subject of the invention is the use of polypeptides according to the invention, of cells transformed with a vector according to the invention and/or of transformed animals according to the invention, for the biosynthesis or the biodegradation of organic or inorganic compounds.

As has been mentioned above, the nucleotide sequences of the invention were identified by homology with sequences known to encode, for example, polypeptides or fragments of enzymatic polypeptides involved in the biosynthesis or the biodegradation of organic or inorganic molecules.

It is thus possible to use the said polypeptides of the invention in a similar manner for the biosynthesis or the biodegradation of organic or inorganic compounds of industrial or therapeutic interest (called compounds of interest).

Among these polypeptides, there may be mentioned in particular the enzymes involved in 15 metabolism, such as the proteolytic enzymes, amino transferases, glucose metabolism, or the enzymes which may be used in the biosynthesis of sugars, amino acids, fatty acids, polypeptides, nucleotides, nucleic acids or any other organic or inorganic compound or in the biodegradation of organic or inorganic compounds.

Among these polypeptides, there may be mentioned, in addition, the mutated or modified enzymes corresponding to mutated or modified polypeptides according to the invention which may also be used for the biosynthesis or the biodegradation of organic or inorganic compounds at the industrial level, such as, for example, the production of compounds of interest, the reprocessing of manufacturing residues applied to the food industries, to the papermaking industry or to the chemical and pharmaceutical industries.

The methods of biosynthesis or biodegradation of organic or inorganic compounds, characterized in that they use a polypeptide or one of its representative fragments according to the invention, transformed cells according to the invention and/or a transformed animal according to the invention, also form part of the invention.

The invention relates, in addition, to the use of a nucleotide sequence according to the invention, of a polypeptide according to the invention, of an antibody according to the invention, of a cell according to the invention, and/or of a transformed animal according to the invention, for the selection of an organic or inorganic compound capable of modulating, regulating, inducing or inhibiting the expression of genes, and/or of modifying the cellular replication of eukaryotic or 35 prokaryotic cells or capable of inducing, inhibiting or worsening the pathologies linked to an infection by Chlamydia pneumoniae or one of its associated microorganisms.

The invention also comprises screening assays that comprise methods of selecting

compounds capable of binding to a polypeptide, fusion polypeptide or one of its representative fragments according to the invention, capable of binding to a nucleotide sequence according to the invention, or capable of recognizing an antibody according to the invention, and/or capable of modulating, regulating, inducing or inhibiting the expression of genes, and/or of modifying the growth or the cellular replication of eukaryotic or prokaryotic cells, or capable of inducing, inhibiting or worsening, in an animal or human organism, the pathologies linked to an infection by *Chlamydia pneumoniae* or one of its associated microorganisms, characterized in that it comprises the following steps:

- a) bringing the said compound into contact with the said polypeptide, the said nucleotide
 sequence, with a transformed cell according to the invention and/or administering the said compound to a transformed animal according to the invention;
- b) determining the capacity of the said compound to bind with the said polypeptide or the said nucleotide sequence, or to modulate, regulate, induce or inhibit the expression of genes, or to modulate growth or cellular replication, or to induce, inhibit or worsen in the said transformed animal, the pathologies linked to an infection by *Chlamydia pneumoniae* or one of its associated microorganisms.

The transformed cells and/or animals according to the invention may advantageously serve as a model and may be used in methods for studying, identifying and/or selecting compounds capable of being responsible for pathologies induced or worsened by *Chlamydia pneumoniae*, or capable of preventing and/or of treating these pathologies such as, for example, cardiovascular or respiratory diseases. In particular, the transformed host cells, in particular bacteria of the *Chlamydia* family whose transformation with a vector according to the invention may, for example, increase or inhibit its infectivity, or modulate the pathologies usually induced or worsened by the infection, may be used to infect animals in which the onset of pathologies will be monitored. These nontransformed animals, infected for example with transformed *Chlamydia* bacteria, may serve as a study model. In the same manner, the transformed animals according to the invention may, for example, exhibit predispositions to cardiovascular and/or respiratory diseases and thus be used in methods for selecting compounds capable of preventing and/or of treating the said diseases. The said methods using the said transformed cells and/or transformed animals form part of the invention

The compounds capable of being selected may be organic compounds such as polypeptides or carbohydrates or any other organic or inorganic compounds already known, or new organic compounds produced using molecular modeling techniques and obtained by chemical or biochemical synthesis, these techniques being known to persons skilled in the art.

The said selected compounds may be used to modulate the growth and/or the cellular replication of *Chlamydia pneumoniae* or any other associated microorganism and thus to control infection by these microorganisms. The said compounds according to the invention may also be used to modulate the growth and/or the cellular replication of all eukaryotic or prokaryotic cells, in

particular tumour cells and infectious microorganisms, for which the said compounds will prove active, the methods which make it possible to determine the said modulations being well known to persons skilled in the art.

Compound capable of modulating the growth of a microorganism is understood to designate any compound which makes it possible to act, to modify, to limit and/or to reduce the development, the growth, the rate of proliferation and/or the viability of the said microorganism.

This modulation may be achieved, for example, by an agent capable of binding to a protein and thus of inhibiting or of potentiating its biological activity, or capable of binding to a membrane protein of the outer surface of a microorganism and of blocking the penetration of the said microorganism into the host cell or of promoting the action of the immune system of the infected organism directed against the said microorganism. This modulation may also be achieved by an agent capable of binding to a nucleotide sequence of a DNA or RNA of a microorganism and of blocking, for example, the expression of a polypeptide whose biological or structural activity is necessary for the growth or for the reproduction of the said microorganism.

Associated microorganism is understood to designate in the present invention any microorganism whose gene expression may be modulated, regulated, induced or inhibited, or whose growth or cellular replication may also be modulated by a compound of the invention. Associated microorganism is also understood to designate in the present invention any microorganism containing nucleotide sequences or polypeptides according to the invention. These microorganisms may, in some cases, contain polypeptides or nucleotide sequences identical or homologous to those of the invention may also be detected and/or identified by the detection and/or identification methods or kit according to the invention and may also serve as a target for the compounds of the invention.

The invention relates to the compounds capable of being selected by a method of selection according to the invention.

- The invention also relates to a pharmaceutical composition comprising a compound chosen from the following compounds:
 - a nucleotide sequence according to the invention;
 - a polypeptide according to the invention;
 - a vector according to the invention;
- 30 an antibody according to the invention; and
 - a compound capable of being selected by a method of selection according to the invention, optionally in combination with a pharmaceutically acceptable vehicle.

An effective quantity is understood to designate a sufficient quantity of the said compound or antibody, or of a polypeptide of the invention, which makes it possible to modulate the growth of *Chlamydia pneumoniae* or of an associated microorganism.

The invention also relates to a pharmaceutical composition comprising one or more polypeptides according to the invention and/or one or more fusion polypeptides according to the

invention. Such compositions further comprise a pharmaceutically acceptable carrier or vehicle. Pharmaceutical compositions include compositions that comprise a polypeptide or fusion polypeptide that immunoreacts with seropositive serum of an individual infected with Chlamydia pneumoniae. In one embodiment, a pharmaceutical composition according to the invention can be utilized for the prevention or the treatment of an infection by a bacterium belonging to the species Chlamydia pneumoniae or by an associated microorganism.

The invention relates, in addition, to an immunogenic composition or a vaccine composition, characterized in that it comprises one or more polypeptides according to the invention and/or one or more hybrid (fusion) polypeptides according to the invention. Such compositions 10 further comprise a pharmaceutically acceptable carrier or vehicle. Immunogenic compositions or fusion polypeptide include compositions that comprise a polypeptide that immunoreacts with seropositive serum of an individual infected with Chlamydia pneumoniae.

Immunogenic or vaccine compositions can also comprise DNA immunogenic or vaccine compositions comprising polynucleotide sequences of the invention operatively associated with a 15 regulatory sequence that controls gene expression. Such compositions can include compositions that direct expression of a neutralizing epitope of Chlamydia pneumoniae.

The invention also comprises the use of a transformed cell according to the invention, for the preparation of a vaccine composition.

The invention also relates to a vaccine composition, characterized in that it contains a 20 nucleotide sequence according to the invention, a vector according to the invention and/or a transformed cell according to the invention.

The invention also relates to the vaccine compositions according to the invention, for the prevention or the treatment of an infection by a bacterium belonging to the species Chlamydia pneumoniae or by an associated microorganism.

The invention also relates to the use of DNA encoding polypeptides of Chlamydia pneumoniae, in particular antigenic determinants, to be formulated as vaccine compositions. In accordance with this aspect of the invention, the DNA of interest is engineered into an expression vector under the control of regulatory elements, which will promote expression of the DNA, i.e., promoter or enhancer elements. In one preferred embodiment, the promoter element may be cell-30 specific and permit substantial transcription of the DNA only in predetermined cells. The DNA may be introduced directly into the host either as naked DNA (U.S. Patent No. 5,679,647 incorporated herein by reference in their entirety) or formulated in compositions with other agents which may facilitate uptake of the DNA including viral vectors, i.e., adenovirus vectors, or agents which facilitate immunization, such as bupivicaine and other local anesthetics (U.S. Patent 5,593,972 incorporated 35 herein by reference in their entirety), saponins (U.S. Patent 5,739,118 incorporated herein by reference in their entirety) and cationic polyamines (published international application WO 96/10038 incorporated herein by reference in their entirety).

25

The DNA sequence encoding the antigenic polypeptide and regulatory element may be inserted into a stable cell line or cloned microorganism, using techniques, such as targeted homologous recombination, which are well known to those of skill in the art, and described e.g., in Chappel, U.S. Pant No. 4,215,051; Skoultchi, WO 91/06667 each of which is incorporated herein by reference in its electy.

Succell lines and microorganisms may be formulated for vaccine purposes. In yet another embodint, the DNA sequence encoding the antigenic polypeptide and regulatory element may be deliver to a mammalian host and introduced into the host genome via homologous recombination (Chappel, U.S. Patent No. 4,215,051; Skoultchi, WO 91/06667 each of which is incorporated heby reference in its entirety.

Prolly, the immunogenic and/or vaccine compositions according to the invention intended for the invention and/or the treatment of an infection by Chlamydia pneumoniae or by an associated micanism will be chosen from the immunogenic and/or vaccine compositions comprising a potide or one of its representative fragments corresponding to a protein, or one of its representations sing nucleotide sequences will also preferably comprise nucleotide sequences encoding a pole or one of its representative fragments corresponding to a protein, or one of its representative its, of the cellular envelope of Chlamydia pneumoniae.

An are preferred immunogenic and/or vaccine compositions, the most preferred are those comprist peptide or one of its representative fragments, or a nucleotide sequence or one of its representative sequences are chosen from the nucleotide or amino acid sequences identifies functional group and listed above.

immunogenicions according to the invention may be selected by techniques known to persons skillet, such as for example on the capacity of the said polypeptides to stimulate T cells, which rexample, in their proliferation or the secretion of interleukins, and which leads to the producbodies directed against the said polypeptides.

which a weight dose of the vaccine composition comparable to the dose used in humans is d, the antibody reaction is tested by collecting serum followed by a study of the formationex between the antibodies present in the serum and the antigen of the vaccine composition the customary techniques.

to the invention, the said vaccine compositions will be preferably in combination maceutically acceptable vehicle and, where appropriate, with one or more appropriate ijuvants.

diseases: ave microorganisms (M. bovis - BCG for tuberculosis), inactivated microorganisms virus), acellular extracts (Bordetella pertussis for whooping cough),

recombinant proteins (hepatitis B virus surface antigen), polysaccharides (pneumococci). Experiments are underway on vaccines prepared from synthetic peptides or from genetically modified microorganisms expressing heterologous antigens. Even more recently, recombinant plasmid DNAs carrying genes encoding protective antigens were proposed as an alternative vaccine strategy. This type of vaccination is carried out with a particular plasmid derived from an *E. coli* plasmid which does not replicate *in vivo* and which encodes only the vaccinal protein. Animals were immunized by simply injecting the naked plasmid DNA into the muscle. This technique leads to the expression of the vaccine protein *in situ* and to a cell-type (CTL) and a humoral type (antibody) immune response. This double induction of the immune response is one of the main advantages of the technique of vaccination with naked DNA.

The vaccine compositions of the present invention can be evaluated in *in vitro* and *in vivo* animal models prior to host, <u>e.g.</u>, human, administration. For example, *in vitro* neutralization assays such as those described by Peterson et al. (1988) can be utilized. The assay described by Peterson et al. (1988) is suitable for testing vaccine compositions directed toward either *Chlamydia pneumoniae* or *Chlamydia trachomatis*.

Briefly, hyper-immune antisera is diluted in PBS containing 5% guinea pig serum, as a complement source. Chlamydiae (10⁴ IFU; infectious units) are added to the antisera dilutions. The antigen-antibody mixtures are incubated at 37EC for 45 minutes and inoculated into duplicate confluent Hep-2 or HeLa cell monolayers contained in glass vials (e.g., 15 by 45 mm), which have been washed twice with PBS prior to inoculation. The monolayer cells are infected by centrifugation at 1000X g for 1 hour followed by stationary incubation at 37E for 1 hour. Infected monolayers are incubated for 48 or 72 hours, fixed and stained with a Chlamydiae specific antibody, such as anti-MOMP for C.trachomatis, etc. IFUs are counted in ten fields at a magnification of 200X. Neutralization titer is assigned based on the dilution that gives 50% inhibition as compared to control monolayers/IFU.

The efficacy of vaccine compositions can be determined *in vivo* by challenging animal models of *Chlamydia pneumoniae* infection, e.g., mice or rabbits, with the vaccine-compositions. For example, *in vivo* vaccine composition challenge studies can be performed in the murine model of *Chlamydia pneumonia* infection described by Moazed et al. (1997). Briefly, male homozygous apoE deficient and/or C57 BL/6J mice are immunized with vaccine compositions. Post-vaccination, the mice are mildly sedated by subcutaneous injection of a mixture of ketamine and xylazine, and inoculated intranasally with a total volume of 0.03-0.05 ml of organisms suspended in SPG medium or with SPG alone. The inoculations of *Chlamydia pneumoniae* are approximately 3x10⁷ IFU/mouse. The mice are inoculated with *Chlamydia pneumoniae* at 8, 10, and 12 weeks of age. Tissues are then collected from the lung, spleen, heart, etc. at 1-20 weeks after the first inoculation. The presence of organisms is scored using PCR, histology and immunocytochemistry, or by quantitative culture/IFU after tissue homogenization.

Alternatively, in vivo vaccine composition challenge studies can be performed in the rabbit model of Chlamydia pneumoniae described by Laitinen et al. (1997). Briefly, New Zealand white rabbits (5 months old) are immunized with the vaccine compositions. Post-vaccination, the rabbits are sedated with Hypnorm, 0.3 ml/Kg of body weight, intramuscularly, and inoculated intranasally with a total of 0.5 ml of Chlamydia pneumoniae suspended in SPG medium or with SPG alone. The inoculations of Chlamydia pneumoniae are approximately $3x10^7$ IFU/rabbit. The rabbits are reinfected in the same manner and with the same dose 3 weeks after the primary inoculation. Tissues are then collected 2 weeks after the primary infection and 1, 2, and 4 weeks after the reinfection. The presence of Chlamydia pneumoniae is scored using PCR, histology and immunocytochemistry, or by quantitative culture/IFU after tissue homogenization.

The vaccine compositions comprising nucleotide sequences or vectors into which the said sequences are inserted are in particular described in International Application No. WO 90/11092 and also in International Application No. WO 95/11307.

The nucleotide sequence constituting the vaccine composition according to the invention 15 -may be injected into the host after having been coupled to compounds which promote the penetration of this polynucleotide inside the cell or its transport up to the cell nucleus. The resulting conjugates may be encapsulated into polymeric microparticles, as described in International Application No. WO 94/27238 (Medisorb Technologies International).

According to another embodiment of the vaccine composition according to the invention, the nucleotide sequence, preferably a DNA, is complexed with the DEAE-dextran (Pagano et al., 1967) or with nuclear proteins (Kaneda et al., 1989), with lipids (Felgner et al., 1987) or encapsulated into liposomes (Fraley et al., 1980) or alternatively introduced in the form of a gel facilitating its transfection into the cells (Midoux et al., 1993, Pastore et al., 1994). The polynucleotide or the vector according to the invention may also be in suspension in a buffer solution or may be combined with liposomes.

Advantageously, such a vaccine will be prepared in accordance with the technique described by Tacson et al. or Huygen et al. in 1996 or alternatively in accordance with the technique described by Davis et al. in International Application No. WO 95/11307.

Such a vaccine may also be prepared in the form of a composition containing a vector according to the invention, placed under the control of regulatory elements allowing its expression in humans or animals. It is possible, for example, to use, as vector for the *in vivo* expression of the polypeptide antigen of interest, the plasmid pcDNA3 or the plasmid pcDNA1/neo, both marketed by Invitrogen ® & D Systems, Abingdon, United Kingdom). It is also possible to use the plasmid V1Jns.tPA, described by Shiver et al. in 1995. Such a vaccine will advantageously comprise, in addition to the recombinant vector, a saline solution, for example a sodium chloride solution.

The immunogenic compositions of the invention can also be utilized as part of methods for immunization, wherein such methods comprise administering to a host, e.g., a human host, an

immunizing amount of the immunogenic compositions of the invention. In a preferred embodiment, the method of immunizing is a method of immunizing against *Chlamydia pneumoniae*.

A pharmaceutically acceptable vehicle is understood to designate a compound or a combination of compounds entering into a pharmaceutical or vaccine composition which does not cause side effects and which makes it possible, for example, to facilitate the administration of the active compound, to increase its life and/or its efficacy in the body, to increase its solubility in solution or alternatively to enhance its preservation. These pharmaceutically acceptable vehicles are well known and will be adapted by persons skilled in the art according to the nature and the mode of administration of the active compound chosen.

As regards the vaccine formulations, these may comprise appropriate immunity adjuvants which are known to persons skilled in the art, such as, for example, aluminum hydroxide, a representative of the family of muramyl peptides such as one of the peptide derivatives of N-acetyl-muramyl, a bacterial lysate, or alternatively incomplete Freund's adjuvant, StimulonTM QS-21 (Aquila Biopharmaceuticals, Inc., Framingham, MA), MPLTM (3-O-deacylated monophosphoryl lipid A; RIBI ImmunoChem Research, Inc., Hamilton, MT), aluminum phosphate, IL-12 (Genetics Institute, Cambridge, MA).

Preferably, these compounds will be administered by the systemic route, in particular by the intravenous route, by the intranasal, intramuscular, intradermal or subcutaneous route, or by the oral route. More preferably, the vaccine composition comprising polypeptides according to the invention will be administered several times, spread out over time, by the intradermal or subcutaneous route.

Their optimum modes of administration, dosages and galenic forms may be determined according to criteria which are generally taken into account in establishing a treatment adapted to a patient, such as for example the patient's age or body weight, the seriousness of his general condition, tolerance of the treatment and the side effects observed.

The invention comprises the use of a composition according to the invention for the treatment or the prevention of cardiovascular diseases, preferably linked to the presence of atheroma, which are induced or worsened by *Chlamydia pneumoniae*.

Finally, the invention comprises the use of a composition according to the invention for 30 the treatment or the prevention of respiratory diseases which are induced or worsened by the presence of *Chlamydia pneumoniae*, preferably asthma.

Other characteristics and advantages of the invention appear in the following examples and figures:

35 Legend to the figures:

Figure 1: Line for the production of Chlamydia pneumoniae sequences

WO 99/27105

PCT/IB98/01890

74

Figure 2: Analysis of the sequences and assembling

Figure 3: Finishing techniques

Figure 3a): Assembly map

Figure 3b): Determination and use of the orphan ends of the contigs

5

EXAMPLES

Experimental procedures

10

Cells

The *Chlamydia pneumoniae* strain (CM1) used by the inventors is obtained from ATCC (American Culture Type Collection) where it has the reference number ATCC 1360-VR.

It is cultured on HeLa 229 cells, obtained from the American Type Culture Collection, 15 under the reference ATCC CCL-2.1.

Culture of the cells

The HeLa ATCC CCL-2.1 cells are cultured in 75-ml cell culture flasks (Corning). The culture medium is Dulbecco's modified cell culture medium (Gibco BRL No. 04101965) supplemented with MEM amino acids (Gibco BRL - No. 04301140) L (5 ml per 500 ml of medium) and 5% foetal calf serum (Gibco BRL No. 10270 batch 40G8260K) without antibiotics or antifungals.

The cell culture stock is maintained in the following manner. The cell cultures are examined under an inverted microscope. 24 hours after confluence, each cellular lawn is washed with PBS (Gibco BRL No. 04114190), rinsed and then placed for 5 min in an oven in the presence of 3 ml of trypsine (Gibco BRL No. 25200056). The cellular lawn is then detached and then resuspended in 120 ml of culture medium, the whole is stirred in order to make the cellular suspension homogeneous. 30 ml of this suspension are then distributed per cell culture flask. The flasks are kept in a CO₂ oven (5%) for 48 hours at a temperature of 37°C. The cell stock is maintained so as to have available daily 16 flasks of subconfluent cells. It is these subconfluent cells which will be used so as to be infected with Chlamydia. 25-ml cell culture flasks are also used, these flasks are prepared in a similar manner but the volumes used for maintaining the cells are the following: 1 ml of trypsine, 28 ml of culture medium to resuspend the cells, 7 ml of culture medium are used per 25-ml flask.

Infection of the cells with Chlamydia

Initially, the Chlamydiae are obtained frozen from ATCC (-70°C), in suspension in a volume of 1 ml. This preparation is slowly thawed, 500 µl are collected and brought into contact with subconfluent cells, which are obtained as indicated above, in a 25-ml cell culture flask, containing 1 ml of medium, so as to cover the cells. The flask is then centrifuged at 2000 rpm in a "swing" rotor for microtitre plates, the centrifuge being maintained at a temperature of 35°C. After centrifugation,

15

the two flasks are placed in an oven at 35°C for three hours. 6 ml of culture medium containing cycloheximide (1 µg/ml) are then added and the flask is stored at 35°C. After 72 hours, the level of infection is evaluated by direct immunofluorescence and by the cytopathogenic effect caused to the cells.

Direct immunofluorescence

Starting with infected cells, which were obtained as indicated above, a cellular smear is deposited with a Pasteur pipette on a microscope slide. The cellular smear is fixed with acetone for 10 minutes; after draining the acetone, the smear is covered with 30 µl of murine monoclonal antibodies directed against MOMP (major outer membrane protein) of Chlamydia (Syva, Biomérieux) labelled with fluorescein isothiocyanate. The whole is then incubated in a humid chamber at a temperature of 37°C. The slides are then rinsed with water, slightly dried, and then after depositing a drop of mounting medium, a coverslip is mounted before reading. The reading is carried out with the aid of a fluorescence microscope equipped with the required filters (excitation at 490 nm, emission at 520 nm).

Harvesting of the Chlamydia pneumoniae

After checking the infection by direct immunofluorescence, carried out as indicated above, the culture flasks are opened under a sterile cabinet, sterile glass beads with a diameter of the order of a millimeter are placed in the flask. The flask is closed and then vigorously stirred while being maintained horizontally, the cellular lawn at the bottom, so that the glass beads can have a mechanical action on the cellular lawn. Most of the cells are thus detached or broken; the effect of the stirring is observed under an optical microscope so as to ensure proper release of Chlamydiae.

Large-scale infection of the cell cultures

The product of the Chlamydiae harvest (culture medium and cellular debris) is collected with a pipette, and distributed into three cell culture flasks containing subconfluent HeLa ATCC CCL-2.1 cells, obtained as indicated above. The cells thus inoculated are placed under gentle stirring (swing) in an oven at 35°C. After one hour, the flasks are kept horizontally in an oven so that the culture medium covers the cells for 3 hours. 30 ml of culture medium containing actydione (1 μg/ml) are then added to each of the flasks. The culture flasks are then stored at 35°C for 72 hours. The cells thus infected are examined under an optical microscope after 24 hours, the cytopathogenic effect is evaluated by the appearance of cytoplasmic inclusions which are visible under an inverted optical microscope. After 72 hours, the vacuoles containing the Chlamydiae occupy the cytoplasm of the cell and push the cell nucleus sideways. At this stage, numerous cells are spontaneously destroyed and have left free elementary bodies in the culture medium. The Chlamydiae are harvested as described above and are either frozen at -80°C or used for another propagation.

Purification of the Chlamydiae

The product of the Chlamydia harvests is stored at -80°C and thawed on a water bath at

room temperature. After thawing, each tube is vigorously stirred for one minute and immersed for one minute in an ultrasound tank (BRANSON 1200); the tubes are then stirred by inverting before being centrifuged for 5 min at 2000 rpm. The supernatant is carefully removed and kept at cold temperature (ice). The supernatant is vigorously stirred and then filtered on nylon filters having pores of 5 microns in diameter on a support (Nalgene) allowing a delicate vacuum to be established under the nylon filter. For each filtration, three nylon filters are superposed; these filters are replaced after every 40 ml of filtrate. Two hundred milliliters of filtration product are kept at cold temperature, and then after stirring by inverting, are centrifuged at 10,000 rpm for 90 min, the supernatant is removed and the pellet is taken up in 10 ml of 10 mM Tris, vigorously vortexed and then centrifuged at 10,000 rpm for 90 min. The supernatant is removed and the pellet is taken up in a buffer (20 mM Tris pH 8.0, 50 mM KCl, 5 mM MgCl₂) to which 800 units of DNAse I (Boehringer) are added. The whole is kept at 37°C for one hour. One ml of 0.5 M EDTA is then added, the whole is vortexed and frozen at -20°C.

Preparation of the DNA

The Chlamydiae purified above are thawed and subjected to a proteinase K (Boehringer) digestion in a final volume of 10 ml. The digestion conditions are the following: 0.1 mg/ml proteinase K, 0.1 × SDS at 55EC, stirring every 10 min. The product of digestion is then subjected to a double extraction with phenol-chloroform, two volumes of ethanol are added and the DNA is directly recovered with a Pasteur pipette having one end in the form of a hook. The DNA is dried on the edge of the tube and then resuspended in 500 μl of 2 mM Tris pH 7.5. The DNA is stored at 4°C for at least 24 hours before being used for the cloning.

Cloning of the DNA

After precipitation, the DNA is quantified by measuring the optical density at 260 nm. Thirty µg of Chlamydia DNA are distributed into 10 tubes of 1.5 ml and diluted in 300 µl of water.

Each of the tubes is subjected to 10 applications of ultrasound lasting for 0.5 sec in a sonicator (unisonix XL2020). The contents of the 10 tubes are then grouped and concentrated by successive extractions with butanol (Sigma B1888) in the following manner: two volumes of butanol are added to the dilute DNA mixture. After stirring, the whole is centrifuged for five minutes at 2500 rpm and the butanol is removed. This operation is repeated until the volume of the aqueous phase is less than 1 ml.

The DNA is then precipitated in the presence of ethanol and of 0.5 M sodium acetate pH 5.4, and then centrifuged for thirty minutes at 15,000 rpm at cold temperature (4°C). The pellet is washed with 75% ethanol, centrifuged for five minutes at 15,000 rpm and dried at room temperature. A tenth of the preparation is analysed on a 0.8% agarose gel. Typically, the size of the DNA fragments thus prepared is between 200 and 8000 base pairs.

To allow the cloning of the DNA obtained, the ends are repaired. The DNA is distributed in an amount of 10 μg/tube, in the following reaction medium: 100 μl final volume, 1 x buffer

(Biolabs 201L), 0.5 μl BSA 0.05 mg/ml, 0.1 mM dATP, 0.1 mM each of dGTP, dCTP or dTTP, 60,000 IU T4 DNA polymerase. The reaction is incubated for thirty minutes at 16°C. The contents of each of the tubes are then grouped before carrying out an extraction with phenol-chloroform and then precipitating the aqueous phase as described above. After this step, the DNA thus prepared is phosphorylated. For that, the DNA is distributed into tubes in an amount of 10 μg per tube, and then in a final volume of 50 μl, the reaction is prepared in the following manner: 1 mM ATP, 1 × kinase buffer, 10 IU T4 polynucleotide kinase (Biolabs 201L). The preparation is incubated for thirty minutes at 37°C. The contents of the tubes are combined and a phenol-chloroform extraction and then a precipitation are carried out in order to precipitate the DNA. The latter is then suspended in 1 μl of water and then the DNA fragments are separated according to their size on a 0.8% agarose gel (1 × TAE). The DNA is subjected to an electric field of 5 V/cm and then visualized on a UV table. The fragments whose size varies between 1200 and 2000 base pairs are selected by cutting out the gel. The gel fragment thus isolated is placed in a tube and then the DNA is purified with the Qiaex kit (20021 Qiagen), according to the procedure provided by the manufacturer.

15 <u>Preparation of the vector</u>

14 μg of the cloning vector pGEM-5Zf (Proméga P2241) are diluted in a final volume of 150 μl and are subjected to digestion with the restriction enzyme EcoRV 300 IU (Biolabs 195S) according to the protocol and with the reagents provided by the manufacturer. The whole is placed at 37°C for 150 min and then distributed in the wells of a 0.8% agarose gel subjected to an electric field of 5 V/cm. The linearized vector is visualized on a UV table, isolated by cutting out the gel and then purified by the Qiaex kit (Qiagen 20021) according to the manufacturer's recommendations. The purification products are grouped in a tube, the volume is measured and then half the volume of phenol is added and the whole is vigorously stirred for 1 min. Half the volume of chloroform-isoamyl alcohol 24:1 is added and vigorously stirred for 1 min. The whole is centrifuged at 15,000 rpm for 5 min at 4°C, the aqueous phase is recovered and transferred into a tube. The DNA is precipitated in the presence of 0.3 M sodium acetate, pH 5.4 and 3 volumes of ethanol and placed at -20°C for 1 hour. The DNA is then centrifuged at 15,000 rpm for 30 min at 4°C, the supernatant is removed while preserving the pellet, washed twice with 70% ethanol. After drying at room temperature, the DNA is suspended in 25 μl of water.

30 Phosphorylation of the vector

 $25~\mu l$ of the vector prepared in the preceding step are diluted in a final volume of 500 μl of the following reaction mixture:

After repair, the DNA is subjected to a phenol-chloroform extraction and a precipitation, the pellet is then taken up in 10 µl of water, the DNA is quantified by measuring the optical density at 260 nm. The quantified DNA is ligated into the vector PGEm-5Zf(+) prepared by the restriction

enzyme EcoRV and delsphorylated (see preparation of the vector). The ligation is carried out under three conditions the vary in the ratio between the number of vector molecules and the number of insert molecules lically, an equimolar ratio, a ratio of 1:3 and a ratio of 3:1 are used for the ligations which are, moer, carried out under the following conditions: vector PGEm-5Zf(+) 25 ng, cut DNA, ligation bun a final volume of 20 μl with T4 DNA ligase (Amersham E70042X); the whole is then placed infrigerator overnight and then a phenol-chloroform extraction and a precipitation are carried outconventional manner. The pellet is taken up in 5 μl of water.

Transformation of cteria

Plating of theia

Petri dishesining LB Agar medium containing ampicillin (50 μg/ml), Xgal (280 μg/ml) [5-bromo o-indolyl-beta-D-galactopyranoside (Sigma B-4252)], IPTG (140 μg/ml) [isopropyl-biogalactoside (Sigma I-6758)] are used, 50 and 100 μl of bacteria are plated for each of the lighter Petri dishes are placed upside down at 37°C for 15 to 16 hours in an oven. The number of inant" positive clones is evaluated by counting the white colonies and the blue colonies which ht to contain the vector alone.

Evaluation combinant" positive clones

Ninety-fouolonies and two blue colonies are collected with the aid of sterile cones and are deposited on the wells of plates designed for carrying out the amplification techniques. 30 µl of the reaction mixture are added to each well: 1.7 mM MgCl₂, 0.2 mM each of dATP, dCTP, dTTP, two synthetic oligonucleotides corresponding to sequences flanking the cloning si side and orienting the synthesis of the DNA in a convergent manner (0.5 µM RP and PU prTAQ polymerase (GibcoBRL 18038-026)).

The coloepared are subjected to a temperature of 94°C for 5 min and then to 30 thermal cycles core following steps: 94°C for 40 s, 50°C for 30 s, 72°C for 180 s. The reaction is then kept \$2°C and then kept at 4°C.

The amoducts are deposited on an agarose gel (0.8%), stained with ethidium bromide, subjected tesis, and then analysed on an ultraviolet table. The presence of an amplification fragmize greater than 500 base pairs indicates the presence of an insert. The bacterial clones ared so as to study the sequence of their insert.

Sequencing

To sequence of the clones obtained as above, these were amplified by PCR on bacteria cultures chaight using the primers for the vectors flanking the inserts. The sequence of the enserts (on average 500 bases on each side) was determined by automated fluorese on an ABI 377 sequencer, equipped with the ABI Prism DNA Sequencing Analysision 2.1.2).

Analysis o

The sequences · obtained by sequencing in a high-yield line (Figure 1) are stored in a database; this part of the production is independent of any treatment of the sequences. The sequences are extracted from the database, avoiding all the regions of inadequate quality, that is to say the regions for which uncertainties are observed on the sequence at more than 95%. After extraction, the sequences are introduced into a processing line, the diagram of which is described in Figure 2. In a first path of this processing line, the sequences are assembled by the Gap4 software from R. Staden (Bonfield et al., 1995) (OS UNIX/SUN Solaris); the results obtained by this software are kept in the form of two files which will be used for a subsequent processing. The first of these files provides information on the sequence of each of the contigs obtained. The second file represents all the clones participating in the composition of all the contigs as well as their positions on the respective contigs.

The second processing path uses a sequence assembler (TIGR-Asmg assembler UNIX/SUN Solaris); the results of this second processing path are kept in the form of a file in the TIGR-Asmg format which provides information on the relationship existing between the sequences selected for the assembly. This assembler is sometimes incapable of linking contigs whose ends 15 overlap over several hundreds of base pairs.

The results obtained from these two assemblers are compared with the aid of the BLAST program, each of the contigs derived from one assembly path being compared with the contigs derived from the other path.

For the two processing paths, the strict assembly parameters are fixed (95% homology, 20 30 superposition nucleotides). These parameters avoid 3 to 5% of the clones derived from eukaryotic cells being confused with sequences obtained from the clones derived from Chlamydia pneumoniae. The eukaryotic sequences are however preserved during the course of this project; the strategy introduced, which is described below, will be designed, inter alia, not to be impeded by these sequences derived from contaminating clones.

The results of these two assemblers are processed in a software developed for this project. This software operates on a Windows NT platform and receives, as data, the results derived from the STADEN software and/or the results derived from the TIGR-Asmg assembler, the software, results, after processing of the data, in the determination of an assembly map which gives the proximity relationship and the orientation of the contigs in relation to one another (Figure 3a). Using 30 this assembly map, the software determines all the primers necessary for finishing the project. This treatment, which will be detailed below, has the advantage of distinguishing the isolated sequences derived from the contaminations, by the DNA eukaryotic cells, of the small-sized sequences clearly integrated into the project by the relationships which they establish with contigs. In order to allow, without any risk of error, the arrangement and the orientation of the contigs in relation to one another, 35 a statistical evaluation of the accuracy of the names (naming) "naming" of sequence is made from the results of "contigation". This evaluation makes it possible to give each of the clone plates, as well as each of the subsets of plates, a weight which is inversely proportional to probable error rate existing in

the "naming" of the sequences obtained from this plate or from a subset of this plate. In spite of a low error rate, errors may occur throughout the steps of production of the clones and of the sequences. These steps are numerous, repetitive and although most of them are automated, others, like the deposition in the sequencers, are manual; it is then possible for the operator to make mistakes such as the inversion of two sequences. This type of error has a repercussion on the subsequent processing of the data, by resulting in relationships (between the contigs) which do not exist in reality, then in attempts at directed sequencing between the contigs which will end in failure. It is because of this that the evaluation of the naming errors is of particular importance since it allows the establishment of a probabilistic assembly map from which it becomes possible to determine all the clones which will serve as template to obtain sequences separating two adjacent contigs. Table 2 of parent U.S. application serial No. 60/107078 filed November 4, 1998 and French application 97-14673 filed November 21, 1997, each of which is incorporated by reference herein in its entirety, gives the clones and the sequences of the primers initially used during the initial operations.

To avoid the step which consists in ordering and then preparing the clones by 15 -conventional microbiological means, outer and inner primers oriented towards the regions not yet sequenced are defined by the software. The primers thus determined make it possible to prepare, by PCR, a template covering the nonsequenced region. It is the so-called outer primers (the ones most distant from the region to be sequenced) which are used to prepare this template. The template is then purified and a sequence is obtained on each of the two strands during 2 sequencing reactions which 20 each use one of the 2 inner primers. In order to facilitate the use of this approach, the two outer primers and the two inner primers are prepared and then stored on the same position of 4 different 96well plates. The two plates containing the outer primers are used to perform the PCRs which will serve to prepare the templates. These templates will be purified on purification columns preserving the topography of the plates. Each of the sequences will be obtained using primers situated on one and 25 then on the other of the plates containing the inner primers. This distribution allows a very extensive automation of the process and results in a method which is simple to use for finishing the regions not yet sequenced. Table 3 of parent U.S. application serial No. 60/107078 filed November 4, 1998 and French application 97-14673 filed November 21, 1997, each of which is incorporated by reference herein in its entirety, gives the names and the sequences of the primers used for finishing Chlamydia 30 pneumoniae.

Finally, a number of contigs exist in a configuration where one of their ends is not linked to any other contig end (Figure 3b) by a connecting clone relationship (a connecting clone is defined as a clone having one sequence end on a contig and the other end of its sequence on another contig; furthermore, this clone must be derived from a plate or a subset of plates with adequate naming quality). For the *Chlamydia pneumoniae* project, this particular case occurred 24 times. Two adjacent PCR primers orienting the synthesis of the DNA towards the end of the consensus sequence are defined for each of the orphan ends of the consensus sequence. The primer which is closest to the end

of the sequence is called the inner primer whereas the primer which is more distant from the end of the sequence is called the outer primer. The outer primers are used to explore the mutual relationship between the orphan ends of the different contigs. The presence of a single PCR product and the possibility of amplifying this product unambiguously using the inner primers evokes the probable relationship between the contigs on which the primers which allowed the amplification are situated. This relationship will be confirmed by sequencing and will allow the connection between the orphan ends of the consensus sequences. This strategy has made it possible to obtain a complete map of the Chlamydia pneumoniae chromosome and then to finish the project.

Quality control

All the bases not determined with certainty in the chromosomal sequence were noted and the density of uncertainties was measured on the entire chromosome. The regions with a high density of uncertainties were noted and the PCR primers spanning these regions were drawn and are represented in Table 4 of parent U.S. application serial No. 60/107078 filed November 4, 1998 and French application 97-14673 filed November 21, 1997 each of which is incorporated by reference 15 herein in its entirety.

The sequence of each of the PCR products was obtained with two operational primers different from the amplification primers. The sequences were obtained in both directions for all the PCRs (100% success).

Data banks

Local reorganizations of major public banks were used. The protein bank used consists of 20 the nonredundant fusion of the Genpept bank (automated translation of GenBank, NCBI; Benson et al., 1996).

. The entire BLAST software (public domain, Altschul et al., 1990) for searching for homologies between a sequence and protein or nucleic data banks was used. The significance levels 25 used depend on the length and the complexity of the region tested as well as the size of the reference bank. They were adjusted and adapted to each analysis.

The results of the search for homologies between a sequence according to the invention and protein or nucleic data banks are presented and summarized in Table 1 below.

30 Table 1: List of coding chromosome regions and homologies between these regions and the sequence banks.

Legend to Table 1: Open reading frames are identified with the GenMark software version 2.3A (GenePro), the template used is Chlamydia pneumoniae of order 4 on a length of 196 nucleotides with a window of 12 nucleotides and a minimum signal of 0.5. The reading frames 35 ORF2 to ORF 1137 are numbered in order of appearance on the chromosome, starting with ORF2 (ORF column). The positions of the beginning and of the end are then given in column 2 (position). When the position of the beginning is greater than the position of the end, this means that the region is

encoded by the strand complementary to the sequence which was given in the sequence SEQ ID No. 1.

All the putative products were subjected to a search for homology on GENPEPT (release 102 for SEQ ID No. 2 to SEQ ID No. 1137, and release 108 for SEQ ID No. 1138 to SEQ ID No. 1291 and SEQ ID No. 6844 to SEQ ID No. 6849) with the BLASTP software (Altschul et al. 1990). With, as parameters, the default parameters with the exception of the expected value E set at 10⁻⁵ (for SEQ ID No. 2 to SEQ ID No. 1137) and P value set at e⁻¹⁰ (for SEQ ID No. 1138 to SEQ ID No. 1291 and SEQ ID No. 6844 to SEQ ID No. 6849). Subsequently, only the identities greater than 30% (I% column) were taken into account. The description of the most homologous sequence is given in the Homology column; the identifier for the latter sequence is given in the ID column and the animal species to which this sequence belongs is given in the Species column. The Homology score is evaluated by the sum of the blast scores for each region of homology and reported in the Score column.

Materials and Methods for transmembrane domains:

The DAS software was used as recommended by the authors (Cserzo et al., 1997).

This method uses, to predict the transmembrane domains, templates derived from a sampling of selected proteins. All the regions for which a "Cutoff" greater than 1.5 was found by the program were taken into account.

20 <u>Additional ORF Finder Programs</u>

For this analysis, two additional ORF finder programs were used to predict potential open reading frames of a minimum length of 74 amino acids; Glimmer (Salzberg, S.L., Delcher, A., Kasif, S., and W. White. 1998. Microbial gene identification using interpolated Markov models. Nucleic Acids Res. 26:544-548.), and an in-house written program. The in-house program used a very simple search algorithm. The analysis required the that the genomic DNA sequence text be in the 5' to 3' direction, the genome is circular, and that TAA, TAG, and TGA are stop codons. The search parameters were as follows:

- (1) A search for an ORF that started with a GTG codon was performed. If no GTG codons were found, then a search for an ATG codon was performed. However, if a GTG codon was found, then a search downstream for a ATG codon was performed. All start and stop nucleotide positions were recorded.
 - (2) A search for an ORF that started with a TTG codon was performed. If no TTG codons were found, then a search for a ATG codon was performed. However, if a TTG codon was found, then a search downstream for a ATG codon was performed. All start and stop nucleotide positions were recorded.
 - (3) The analysis described in steps 1 and 2 were repeated for the opposite strand of DNA sequence.

- (4) A search for ORFs that determined all ORF lengths using start and stop positions in the same reading frames was performed.
- (5) All ORFs whose DNA length was less than 225 nucleotides were eliminated from the search.

5 <u>Surface Exposed Protein Search Criteria</u>

Potential cell surface vaccine targets are outer membrane proteins such as porins, lipoproteins, adhesions and other non-integral proteins. In *Chlamydia psittaci*, the major immunogens is a group of putative outer membrane proteins (POMPs) and no homologs have been found in *Chlamydia pneumoniae* and *Chlamydia trachomatis* by traditional analysis (Longbottom, D., Russell,

- M., Dunbar, S.M., Jones, G.E., and A.J. Herring. 1998. Molecular Cloning and Characterization of the Genes Coding for the Highly Immunogenic Cluster of 90-Kilodalton Envelope Proteins from Chlamydia psittaci Subtype That Causes Abortion in Sheep. Infect Immun 66:1317-1324.) Several putative outer membrane proteins have been identified in Chlamydia pneumoniae, all of which may represent vaccine candidates. The major outer membrane protein (MOMP) gene (omp1) has been
- found in various isolates of *Chlamydia pneumoniae* (Jantos, CA., Heck, S., Roggendorf, R., Sen-Gupta, M., and Hegemann, JH. 1997. Antigenic and molecular analyses of different chlamydia pneumoniae strains. J. Clin Microbiology 35(3):620-623.) Various criteria, as listed below, were used to identify putative surface exposed ORFs from the genomic DNA sequence of *Chlamydia pneumoniae* (French application 97-14673 filed 21 November 1997). Any ORF which met any one or more of the individual criteria were listed in this category.

Protein homology searches were done using the Blastp 2.0 tool (Altschul, S.F., Madden, T.L., Schaffer, A.A., Zhang, J., Zhang, Z., Miller, W., and D.J. Lipman. 1997. Gapped BLAST and PSI-BLAST: a new generation of protein database search programs. Nucleic Acids Res. 25:3389-3402.) An ORF product was labeled surface exposed if there was homology to a known, or hypothetical, or putative surface exposed protein with a P score better than e⁻¹⁰.

Most, if not all, proteins that are localized to the membrane of bacteria, via a secretory pathway, contain a signal peptide. A software program, SignalP, analyzes the amino acid sequence of an ORF for such a signal peptide (Nielsen, H., Engelbrecht. J., Brunak, S., and G. von Heijne. 1997. Identification of prokaryotic and eukaryotic signal peptides and prediction of their cleavage sites.

30 Protein Engineering 10:1-6.) The first 60 N-terminal amino acids of each ORF were analyzed by SignalP using the Gram-Negative software database. The output generates four separate values, maximum C, maximum Y, maximum S, and mean S. The S-score, or signal region, is the probability of the position belonging to the signal peptide. The C-score, or cleavage site, is the probability of the position being the first in the mature protein. The Y-score is the geometric average of the C-score and a smoothed derivative of the S-score. A conclusion of either a Yes or No is given next to each score. If all four conclusions are Yes and the C-terminal amino acid is either a phenylalanine (F) or a tyrosine (Y), the ORF product was labelled outer membrane (Struyve, M., Moons, M., and J. Tommassen.

1991. Carboxy-terminal Phenylalanine is Essential for the Correct Assembly of a Bacterial Outer Membrane Protein. J. Mol. Biol. 218:141-148.)

The program called Psort, determines the localization of a protein based on its signal sequence, recognition of transmembrane segments, and analysis of its amino acid composition (Nakai, K., and M. Kanehisa. 1991. Expert system for predicting protein localization sites in gram-negative bacteria. Proteins 11:95-110.) -An ORF product is considered to be an outer membrane protein if the output data predicts the protein as outer membrane with a certainty value of 0.5 or better and whose value is at least twice as large as the next predicted localized certainty value.

Finally, ORF products that were not predicted to be outer membrane or surface exposed, based on the above criteria, were further analyzed. The blastp output data for these ORFs were searched using various general and specific keywords, suggestive of known cell surface exposed proteins. An ORF was labeled surface exposed if the keywords matched had a Blastp hit, had a P score better than e⁻¹⁰, and that there was no better data indicating otherwise. The following is a list of the searched keywords:

15

	Adhesion	Adhesin	Invasin	Invasion	Extensin	
	Omp	Outer Surface	Porin	Outer Membra	ne	
	Cell Surface	Cell Wall	Pilus	Pilin	Flagellar sheath	BtuB
	Cir	ChuA	CopB	ExeD	FadL	FecA
20	FepA	FhuA	FmdC	FomA	FrpB	GspD
	HemR	HgbA	Hgp	HmbR	HmuR	HMW
	HrcC	Hrp	InvG	LamB	LbpA	LcrQ
	Lmp1	MxiD	MOMP	PilE	НраА	NolW
	NspA	OpcP	OpnP	Opr	OspA	PhoE
25	PldA	Por	PscC	PulD	PupA	QuiX
	RafY	ScrY	SepC	ShuA	SomA	SpiA
	Tbp1	Yop	YscC	mip	Tol	• '

Those ORFs that did not meet the minimum requirement for being an outer membrane protein based on the above search criteria but which were homologous to identified outer membrane ORFs in Chlamydia trachomatis were included. The Chlamydia trachomatis genome (French patent applications FR97-15041, filed 28 November 1997 and 97-16034 filed 17 December 1997) was analyzed using the above search criteria and a number of outer membrane ORFs were identified. These Chlamydia trachomatis ORFs were then tested against the Chlamydia pneumoniae genome using Blastp. Any Chlamydia pneumoniae ORF with a Blastp P value better than e⁻¹⁰ against a Chlamydia trachomatis outer membrane was included in this section, if there was no better data

indicating otherwise. A list of ORFs in the *Chlamydia pneumoniae* genome encoding putative surface exposed proteins is set forth above in the specification.

Identification of Putative Lipoproteins in the Genome of Chlamydia pneumoniae

Lipoproteins are the most abundant post-translationally modified bacterial 5 secretory proteins (Pugsley, A. P., 1993. The complete general secretory pathway in Gramnegative bacteria. Microbiol. Rev. 57:50-108). The characteristic features of lipoproteins are a thiol-linked diacylglyceride and an amine-linked monoacyl group on the cysteine that becomes the amino-terminal residue after signal peptide cleavage by Signal Peptidase II. 10 (Pugsley, A. P., 1993. The complete general secretory pathway in Gram-negative bacteria. Microbiol. Rev. 57:50-108). The identification of putative lipoproteins from the genomic sequencing of Chlamydia pneumoniae was done by examining the deduced amino acid sequence of identified ORFs for the presence of a signal peptide with a Signal Peptidase II cleavage site analogous to the consensus sequence for prolipoprotein modification and 15 processing reactions (Hayashi, S., and H. C. Wu. 1992. Identification and characterization of lipid-modified proteins in bacteria, p. 261-285. In N. M. Hooper and A. J. Turner (ed.) Lipid modification of proteins: A practical approach. Oxford University Press, New York; Sutcliffe, I. C. and R. R. B. Russell. 1995. Lipoproteins of Gram-positive bacteria. J. Bacteriol. 177:1123-1128.).

Chlamydia pneumoniae ORFs were initially screened for the most basic of lipoprotein characteristics, a cysteine in the first 30 amino acids of the deduced protein. ORFs with a standard start codon (ATG, GTG, or TTG) and having one or more of the following characteristics were selected for direct analysis of their first 30 amino acids:

(a) Significant Signal P value (at least two out of the four values are Yes)

25

- (b) PSORT value indicating membrane passage (IM-inner membrane, Peri-periplasm, or OM-outer membrane)
- (c) Identification of the word lipoprotein among the ORF blastp data set.

30 (d) A Blastp value of <e⁻¹⁰ with a putative lipoprotein from *Chlamydia trachomatis* (French applications 97-15041 filed 28 November 1997 and 97-16034 filed 17 December 1997).

The first 30 amino acids of each ORF in this set were analyzed for the characteristics commonly found in lipoprotein signal peptides (Pugsley, A. P., 1993. The complete general secretory pathway in Gram-negative bacteria. Microbiol. Rev. 57:50-108; Hayashi, S., and H. C. Wu. 1992.

Identification and characterization of lipid- modified proteins in bacteria, p. 261-285. In N. M. Hooper and A. J. Turner (ed.) Lipid modification of proteins: A practical approach. Oxford University Press, New York; Sutcliffe, I. C. and R. R. B. Russell. 1995. Lipoproteins of Gram-positive bacteria. J. Bacteriol. 177:1123-1128.) Putative lipoprotein signal peptides were required to have a cysteine between amino acid 10 and 30 and reach a minimum score of three based on the following criteria for lipoprotein signal peptides:

- (a) Identification of specific amino acids in specific positions around the cysteine which are part of the consensus Signal Peptidase II cleavage site (Hayashi, S., and H. C. Wu. 1992. Identification and characterization of lipid-modified proteins in bacteria, p. 261-285. In N. M. Hooper and A. J. Turner (ed.) Lipid modification of proteins: A practical approach. Oxford University Press, New York); Sutcliffe, I. C. and R. R. B. Russell. 1995. Lipoproteins of Gram-positive bacteria. J. Bacteriol. 177:1123-1128). Since the identification of the cleavage site is the most important factor in identifying putative lipoproteins, each correctly positioned amino acid contributed toward reaching the minimum score of three. (b) A hydrophobic region rich in alanine and leucine prior to the cleavage site (Pugsley, A. P.. 1993. The complete general secretory pathway in Gram-negative bacteria. Microbiol. Rev. 57:50-108) contributed toward reaching the minimum score of three.
 - (c) A short stretch of hydrophilic amino acids greater than or equal to 1 usually lysine or arginine following the N-terminal methionine (Pugsley, A. P.. 1993. The complete general secretory pathway in Gram-negative bacteria. Microbiol. Rev. 57:50-108) contributed toward reaching the minimum score of three.

A list of ORFs in the *Chlamydia pneumoniae* genome encoding putative lipoproteins is set forth above in the specification.

25 <u>LPS-Related ORFs of Chlamydia pneumoniae</u>

Lipopolysaccharide (LPS) is an important major surface antigen of Chlamydia cells. Monoclonal antibodies (Mab) directed against LPS of Chlamydia pneumoniae have been identified that can neutralize the infectivity of Chlamydia pneumoniae both in vitro and in-vivo (Peterson, E.M., de la Maza, L.M., Brade, L., Brade, H. 1998. Characterization of a Neutralizing Monoclonal Antibody Directed at the Lipopolysaccharide of Chlamydia pneumonia. Infect. Immun. Aug. 66(8):3848-3855.) Chlamydial LPS is composed of lipid A and a core oligosaccharide portion and is phenotypically of the rough type (R-LPS) (Lukacova, M., Baumann, M., Brade, L., Mamat, U., Brade, H. 1994. Lipopolysaccharide Smooth-Rough Phase Variation in Bacteria of the Genus Chlamydia. Infect. Immun. June 62(6):2270-2276.) The lipid A component is composed of fatty acids which serve to anchor LPS in the outer membrane. The core component contains sugars and sugar derivatives such as a trisaccharide of 3-deoxy-D-manno-octulosonic acid (KDO) (Reeves, P.R., Hobbs, M., Valvano, M.A., Skurnik, M., Whitfield, C., Coplin, D., Kido, N., Klena, J., Maskell, D.,

Raetz, C.R.H., Rick, P.D. 1996. Bacterial Polysaccharide Synthesis and Gene Nomenclature pp. 10071-10078, Elsevier Science Ltd.). The KDO gene product is a multifunctional glycosyltransferase and represents a shared epitope among the Chlamydia. For a review of LPS biosynthesis see, e.g., Schnaitman, C.A., Klena, J.D. 1993. Genetics of Lipopolysaccharide Biosynthesis in Enteric Bacteria. Microbiol. Rev. 57:655-682.

A text search of the ORF blastp results identified several genes that are involved in Chlamydial LPS production with a P score better than e⁻¹⁰. The following key-terms were used in the text search: KDO, CPS (Capsular Polysaccharide Biosynthesis), capsule, LPS, rfa, rfb, rfc, rfe, rha, rhl, core, epimerase, isomerase, transferase, pyrophosphorylase, phosphatase, aldolase, heptose, manno, glucose, lpxB, fibronectin, fibrinogen, fucosyltransferase, lic, lgt, pgm, tolC, rol, ChoP, phosphorylcholine, waaF, PGL-Tb1. A list of ORFs in the *Chlamydia pneumoniae* genome encoding putative polypeptides involved in LPS biosynthesis is set forth above in the specification.

Type III And Other Secreted Products

Type III secretion enables gram-negative bacteria to secrete and inject pathogenicity proteins into the cytosol of eukaryotic host cells (Hueck, C. J., 1998. Type III Protein Secretion Systems in Bacterial Pathogens of Animals and Plants. In Microbiology and Molecular Biology Reviews. 62:379-433.) These secreted factors often resemble eukaryotic signal transduction factors, thus enabling the bacterium to redirect host cell functions (Lee, C.A., 1997. Type III secretion systems: machines to deliver bacterial proteins into eukaryotic cells? Trends Microbiol. 5:148-156.) In an attempt to corrupt normal cellular functions, Chlamydial pathogenicity factors injected into the host cytosol will nonetheless, as cytoplasmic constituents be processed and presented in the context of the Major Histocompatibility Complex (MHC class I). As such, these pathogenicity proteins represent MHC class I antigens and will play an important role in cellular immunity. Also included in this set are secreted non-type III products that may play a role as vaccine components.

A text search of the ORF blastp results identified genes that are involved in *Chlamydia pneumoniae* protein secretion with a P score better than e⁻¹⁰. The following key-terms were used in the text search in an effort to identify surface localized or secreted products: Yop, Lcr, Ypk, Exo, Pcr, Pop, Ipa, Vir, Ssp, Spt, Esp, Tir, Hrp, Mxi, hemolysin, toxin, IgA protease, cytolysin, tox, hap, secreted and Mip.

Chlamydia pneumoniae ORFs that did not meet the above keyword search criteria, but have homologs in Chlamydia trachomatis that do meet the search criteria are included herein. The Chlamydia trachomatis genome (French patent applications FR97-15041, filed 28 November 1997 and 97-16034 filed 17 December 1997) was analyzed using the above search criteria and a number of ORFs were identified. These Chlamydia trachomatis ORFs were tested against the Chlamydia pneumoniae genome using Blastp. Any Chlamydia pneumoniae ORF with a Blastp P value < e⁻¹⁰ against a Chlamydia trachomatis homolog, identified using the above search criteria, was included. A

15.

20

25

30

35

list of ORFs in the Chlamydia pneumoniae genome encoding putative secreted proteins is in the specification.

Chlamydia pneumoniae: RGD Recognition Sequence

Proteins that contain Arg-Gly-Asp (RGD) attachment site, together with integrins that serve as their receptor constitute a major recognition system for cell adhesion. The RGD sequence is the cell attachment site of a large number of adhesive extracellular matrix, blood, and cell surface proteins and nearly half of the known integrins recognize this sequence in their adhesion protein ligands. There are many RGD containing microbial proteins such as the penton protein of adenovirus, 10 the coxsackie virus, the foot and mouth virus and pertactin, a 69 kDa (kilodalton) surface protein of Bordetella pertussis, that serve as ligands through which these microbes bind to integrins on the cell surfaces and gain entry into the cell. The following provides evidence supporting the importance of RGD in microbial adhesion:

- a) The adenovirus penton base protein has a cell rounding activity and when penton base was expressed in E. coli, it caused cell rounding and cells adhered to polystyrene wells coated with the protein. Mutant analysis showed that both these properties required an RGD sequence. Virus mutants with amino acid substitutions in the RGD sequence, showed much less adherence to HeLa S3 cells, and also were delayed in virus reproduction (Bai, M., Harfe, B., and Freimuth, P. 1993. Mutations That Alter an RGD Sequence in the Adenovirus Type 2 Penton Base Protein Abolish Its Cell-Rounding Activity and Delay Virus Reproduction in Flat Cells. J. Virol. 67:5198-5205).
- b) It has been shown that attachment and entry of coxsackie virus A9 to GMK cells were dependent on an RGD motif in the capsid protein VP1. VP1 has also been shown to bind $\alpha_v \beta_3$ integrin, which is a vitronectin receptor (Roivainen, M., Piirainen, L., Hovi, T., Virtanen, I., Riikonen, T., Heino, J., and Hyypia, T. 1994. Entry of Coxsackievirus A9 into Host Cells: Specific Interactions with a₂b₃ Integrin, the Vitronectin Receptor Virology, 203:357-65).
- During the course of whooping cough, Bordetella pertussis interacts with alveolar macrophages and other leukocytes on the respiratory epithelium. Whole bacteria adheres by means of two proteins, filamentous hemagglutinin (FHA) and pertussis toxin. FHA interacts with two classes of molecules on macrophages, galactose containing glycoconjugates and the integrin CR3. The interaction between CR3 and FHA involves recognition of RGD sequence at the positions 1097-1099 in FHA (Relman, D., Tuomanen, E., Falkow, S., Golenbock, D. T., Saukkonen, K., and Wright, S. D. "Recognitition of a Bacterial Adhesin by an Integrin: Macrophage CR3 Binds Filamentous Hemagglutinin of Bordetella Pertussis." Cell, 61:1375--1382 (1990)).

- d) Pertactin, a 69 kDa outer membrane protein of *Bordetella pertussis*, has been shown to promote attachment of Chinese hamster ovary cells (CHO). This attachment is mediated by recognition of RGD sequence in pertactin by integrins on CHO cells and can be inhibited by synthetic RGD containing peptide homologous to the one present in pertactin (Leininger, E., Roberts, M., Kenimer, J. G., Charles, I. G., Fairweather, N., Novotny, P., and Brennan, M. J. 1991. Pertactin, an Arg-Gly-Asp containing *Bordetella pertussis* surface protein that promotes adherence of mammalian cells Proc. Natl. Acad. Sci. USA, 88:345-349).
- e) The RGD sequence is highly conserved in the VP1 protein of foot and mouth disease virus (FMDV). Attachment of FMDV to baby hamster kidney cells (BHK) has been shown to be mediated by VP1 protein via the RGD sequence. Antibodies against the RGD sequence of VP1 blocked attachment of virus to BHK cells (Fox, G., Parry, N. R., Barnett, P. V., McGinn, B., Rowland, D. J., and Brown, F. 1989. The Cell Attachment Site on Foot-and-Mouth Disease Virus Includes the Amino Acid Sequence RGD (Arginine-Glycine-Aspartic Acid) J. Gen. Virol., 70:625-637).

It has been demonstrated that bacterial adherence can be based on interaction of a bacterial adhesin RGD sequence with an integrin and that bacterial adhesins can have multiple binding site characteristic of eukaryotic extracellular matrix proteins. RGD recognition is one of the important mechanisms used by microbes to gain entry into eukaryotic cells.

The complete deduced protein sequence of the Chlamydia pneumoniae genome was searched for the presence of RGD sequence. There were a total of 54 ORFs that had one or more RGD sequences. Not all RGD containing proteins mediate cell attachment. It has been shown that RGD containing peptides that have proline immediately following the RGD sequence are inactive in cell attachment assays (Pierschbacher & Ruoslahti. 1987. Influence of stereochemistry of the sequence Arg-Gly-Asp-Xaa on binding specificity in cell adhesion. J. Biol. Chem. 262:17294-98). ORFs that had RGD, with proline as the amino acid following the RGD sequence were excluded from the list. Also, RGD sequence may not be available at the surface of the protein or may be present in a context that is not compatible with integrin binding. Since not all RGD- containing proteins are involved in cell attachment, several other criteria were used to refine the list of RGD- containing proteins. A list of ORFs in the Chlamydia pneumoniae genome encoding polypeptides with RGD recognition sequence(s) is in the specification.

Non-Chlamydia trachomatis ORFs

35 Chlamydia pneumoniae ORFs were compared to the ORFs in the Chlamydia trachomatis genome (French patent applications FR97-15041, filed 28 November 1997 and 97-16034 filed 17 December 1997) using Blastp. Any Chlamydia pneumoniae ORF with a Blastp P value worse than e

¹⁰ (i.e. >e⁻¹⁰) against *Chlamydia trachomatis* ORFs are included in this section. A list of ORFs in the *Chlamydia pneumoniae* genome which are not found in *Chlamydia trachomatis* is set forth above in the specification.

Cell Wall Anchor Surface ORFs

5

15

20

25

30

35

Many surface proteins are anchored to the cell wall of Gram-positive bacteria via the conserved LPXTG motif (Schneewind, O., Fowler, A., and Faull, K.F. 1995. Structure of the Cell Wall Anchor of Surface Proteins in *Staphylococcus aureus*. Science 268:103-106). A search of the *Chlamydia pneumoniae* ORFs was done using the motif LPXTG. A list of ORFs in the *Chlamydia pneumoniae* genome encoding polypeptides anchored to the cell wall is in the specification.

ATCC Deposits

Samples of *Chlamydia pneumoniae* were deposited with the American Type Culture Collection (ATCC), Rockville, Maryland, on November 19, 1998 and assigned the accession number ---. Cells can be grown, harvested and purified, and DNA can be prepared as discussed above. In order to enable recovery of specific fragments of the chromosome, one can run targeted PCR reactions, whose amplification products can then be sequenced and/or cloned into any suitable vector, according to standard procedures known to those skilled in the art.

In addition, a sample of three pools of clones covering chromosomal regions of interest were deposited with the American Type Culture Collection (ATCC), Rockville, Maryland, on November 19, 1998 and assigned the indicated accession number: — . Each pool of clones contains a series of clones. When taken together, the three pools in the sample cover a portion of the chromosome, with a redundancy of slightly more than two. The total number of clones in the sample is 196.

The clones cover the following three regions of interest:

- (i) position 30,000 to 40,000 of SEQ ID No. 1, referred to as region A;
- (ii) position 501,500 to 557,000 of SEQ ID No. 1, referred to as region B; and
- (iii) position 815,000 to 830,000 of SEQ ID No. 1, referred to as region C.

Table 4 lists groups of oligonucleotides to be used to amplify each of ORFs 2-1291 according to standard procedures known to those skilled in the art. Such oligonucleotides are listed as SEQ ID Nos. 1292 to 6451. For each ORF, the following is listed: one forward primer positioned 2,000 bp upstream of the beginning of the ORF; one forward primer positioned 200 bp upstream of the beginning of the ORF; one reverse primer positioned 2,000 bp downstream at the end of ORF, which is 2,000 bp upstream of the end site of the ORF on the complementary strand; and one reverse primer 200 bp downstream at the end of ORF, which is 200 bp upstream of the end site of the ORF on the complementary strand. The corresponding SEQ ID Nos. for the primers are listed in Table 4, where Fp is the proximal forward primer; Fd is the distal forward

WO 99/27105 PCT/IB98/01890

91

primer; Bp is the proximal reverse primer; and Bd is the distal reverse primer. The positions of the 5' ends of each of these primers on the nucleotide sequence of SEQ ID No. 1 are shown in Table 5.

Table 6 lists oligonucleotides (SEQ ID Nos. 6452-6843) to be used to amplify the inserts of each of the 196 clones present in the pooled sample according to standard procedures well known to those of skill in the art. These primers can also be utilized to amplify the chromosomal region corresponding to the region A, B or C within which the particular insert lies. Their positions are indicated in Table 7.

The present invention is not to be limited in scope by the specific embodiments described herein, which are intended as single illustrations of individual aspects of the invention, and functionally equivalent methods and components are within the scope of the invention. Indeed, various modifications of the invention, in addition to those shown and described herein will become apparent to those skilled in the art from the foregoing description and accompanying drawings. Such modifications are intended to fall within the scope of the appended claims.

All publications and patent applications mentioned in this specification are herein incorporated by reference to the same extent as if each individual publication or patent application was specifically and individually indicated to be incorporated by reference.

15-

5

			TABLE 1	-			
ORF	Begin	End	Homology	a	Species	Score	%I
ORF2	42	794	triosephosphate isomerase	L27492	Thermotoga maritima	295	54
ORF3	1258	1614	putative				5
ORF4	1807	2418	polypeptide deformylase	D90906	Synechocystis sp.	316	40
ORFS	3393	2491	hypothetical protein	Z75208	Bacillus subtilis	338	42
ORF6	3639	4067	unknown	U87792	Bacillus subtilis	117	38
ORF7	5649	4270	putative				
ORF8	7463	6012	putative				
ORF9	8051	8962	putative				
ORF10	9129	9959	putative				-
ORF11	10687	10361	putative				
ORF12	10927	11232	putative				
ORF13	11246	12727	amidase	U49269	Moraxella catarrhalis	1108	42
ORF14	12691	14190	PET112	D90913	Synechocystis sp.	1044	19
ORF15	14484	17249	POMP91A	U65942	Chlamydia psittaci	1074	43
ORF16	16039	15770	putative				
ORF17	17845	20853	putative				
ORF18	21137	22042	pufative				
ORF19	22046	23476	putative				
ORF20	23681	26110	putative				
ORF21	26109	25861	putative				
ORF22	26241	26978	putative				
ORF23	26960	27754	· putative				
ORF24	27747	28577	putative				
ORF25	28887	29492	POMP91A	U65942	Chlamydia psittaci	180	39
ORF26	29432	30028	POMP91A	U65942	Chlamydia psittaci	361	15
ORF27	30024	31472	POMP91A	U65942	Chlamydia psittaci	879	22
ORF28	31758	32288	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	144	4
ORF29	32201	33991	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	1126	84
ORF30	33852	34541	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	589	62
ORF31	34783	36063	POMP91B precursor	U65943	Chlamydia psittaci	469	46
ORF32	36009	37529	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	1338	51
ORF33	37881	39362	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	671	9

%I		47				44	43		39			37	54	47			45	36	50			55		36	35	34			33		52
Score		904				136	269		878			404	1232	781			975	329	707			134		136	381	123		-	128		596
Species		Chlamydia psittaci				Bacillus subtilis	Escherichia coli		Helicobacter pylori			Synechocystis sp.	Homo sapiens	Schizosaccharomyces pombe			Legionella pneumophila	Bacillus subtilis	Bacillus subtilis			Synechocystis sp.		Bacillus subtilis	Haemophilus influenzae	Escherichia coli			Bacillus subtilis		Bacillus subtilis
E T	-	U65942				M96343	AE000184		AE000596			D64001	X74215	Z54285			U15010	M97391	M97391			D90903		X12832	U32844	AE000326			X17014		X06803
Homology	putative	POMP90A precursor	putative	putative	putative	homologous to unidentified E. coli protein	o530; This 530 aa orf is 33 pct identical (14	gaps) to 525 residues of an approx. 640 aa	ABC transporter. ATP-binding protein	(yheS)	putative	hypothetical protein	Lon protease-like protein	unknown	putative	putative	heat-shock protein	branched chain alpha-keto acid	hranched chain alpha-keto acid	dehydrogenase E1-beta	putative	ComE	putative	Hpr protein	enzyme I (ptsI)	f831; This 831 aa orf is 46 pct identical (11	gaps) to 709 residues of an approx. 712 aa	protein PT1A ECOLI SW: P32670	ORF107.	putative	dna ZX-like ORF put. DNA polymerase III
End	39161	40715	41094	43066	43785	44753	45372		45701		47569	48040	50133	51335	53319	53746	56453	57266	76585	2	58565	59924	62151	62470	63733	64186			64318	64673	65301
Begin	39418	39366	43076	43800	44828	45340	45752	-	46996		47961	48960	51452	52606	53684	54195	55278	56493	57707	17710	59851	61495	61324	62132	62474	63881			64611	65485	66659
ORF	ORF34	ORF35	ORF36	ORF37	ORF38	ORF39	ORF40		OR E41		ORF42	ORF43	ORF44	ORF45	ORF46	ORF47	ORF48	ORF49	OBESO	S NO	ORF51	ORF52	ORF53	ORF54	ORFSS	ORF56	*****		ORF57	ORF58	ORFS9

_		End	Homology	A ,	Species	Score	<u>%</u>
ORF60	66244	67281	putative				
ORF61	67265	64969	putative				
ORF62	67703	68539	putative				
ORF63	68805	70736	putative				
ORF64	69172	68831	putative				
ORF65	70642	71142	putative				
ORF66	71325	72029	putative				
ORF67	72060	73637	putative			-	:
ORF68	74061	76175	YqfF	D84432	Bacillus subtilis	542	44
ORF69	78351	77680	porphobilinogen deaminase	D28503	Clostridium josui	262	45
ORF70	79356	78355	sms protein	D90914	Synechocystis sp.	/36	7
ORF71	79983	79693	ribonuclease III (rnc)	AE000579	Helicobacter pylori	88	33
ORF72	80441	79938	ORF3	D64116	Bacillus subtilis	268	44
ORF73	80475	69608	putative				
ORF74	81296	83080	hypothetical protein	Y14079	Bacillus subtilis	893	38
ORF75	83291	83932	manganese superoxide dismutase	X77021	Caenorhabditis elegans	622	58
ORF76	84005	84769	acetyl-CoA carboxylase beta subunit (accD)	AE000604	Helicobacter pylori	602	20
ODE77	84975	85244	deoxvuridinetriphosphatase (dut)	U32776	Haemophilus influenzae	110	41
ORF78	85123	85425	deoxyuridine 5'-triphosphate	AE000596	Helicobacter pylori	265	89
			nucleotidonydrolase (dut)	710701	Desidomonas acutainos	173	24
ORF79	85397	85903	ORF2	1110007	r seudomonds der ugmosa	170	5 5
ORF80	85909	86583	enzyme IIANtr	018997	Escherichia coli	1/0	747
ORF81	86626	88065	putative				
ORF82	89257	91026	putative				
ORF83	91291	93030	putative				
ORF84	93295	94086	putative				
ORF85	95285	94707	putative				
ORF86	95667	96557	putative				
ORF87	96317	97456	putative				
ORF88	98435	89626	putative				
ORF89	99460	98426	putative			1	
ORF90	100144	101325	elongation factor Tu	L22216	Chlamydia trachomatis	1917	3

ORF	Begin	End	Homology	n n	Species	Score	%I
ORF91	101457	101720	putative				
ORF92	101704	102273	transcription factor	L10348	Thermus aquaticus thermophilus	376	49
ORF93	102356	102805	ribosomal protein L11	D13303	Bacillus subtilis	458	63
ORF94	102835	103530	ribosomal protein L1	Z11839	Thermotoga maritima	642	51
ORF95	103549	104058	ribosomal protein L10	M89911	Streptomyces antibioticus	82	31
ORF96	104096	104491	rpl12 (AA 1-128)	X53178	Synechocystis PCC6803	325	47
ORF97	104601	108386	DNA-directed RNA polymerase beta chain	X64172	Staphylococcus aureus	2740	52
ORF98	108401	112054	Doc	V00339	Escherichia coli	2947	54
ORF99	112033	112590	acetylomithine deacetylase (EC 5.1.1.16)	M22622	Leptospira biflexa	514	29
ORF100	112672	113682	transaldolase	L19437	Homo sapiens	755	49
ORF101	113726	114121	putative				
ORF102	114711	114136	putative				
ORF103	115267	115755	putative				
ORF104	115911	116543	putative				
ORF105	116736	118055	ATPase alpha-subunit	X63855	Thermus aquaticus thermophilus	934	50
ORF106	117968	118522	adenosine triphosphatase A subunit	D50528	Acetabularia acetabulum	147	32
ORF107	118530	119843	V-ATPase B subunit	U96487	Desulfurococcus sp. SY	751	48
ORF108	119816	120457	putative				
ORF109	120451	122430	v-type Na-ATPase	X76913	Enterococcus hirae	264	35
ORF110	122504	122950	ATP synthase, subunit K	U67478	Methanococcus jannaschii	184	31
ORF111	123528	126347	valyl-tRNA synthetase	X05891	Escherichia coli	1679	49
ORF112	126332	129166	protein kinase-like protein	U19250	Streptomyces coelicolor	427	37
ORF113	134690	129213	UvrA	D49911	Thermus thermophilus	3107	41
ORF114	134925	136382	pyruvate kinase	U83196	Chlamydia trachomatis	1748	71
ORF115	137870	136482	HtrB protein	X61000	Escherichia coli	147	38
ORF116	137899	138240	putative				
ORF117	138239	137928	putative				
ORF118	139558	138257	putative				
ORF119	140352	139516	YbbP	AB002150	Bacillus subtilis	231	46
ORF120	140498	141841	cyanide insensitive terminal oxidase	Y10528	Pseudomonas aeruginosa	538	50
ORF121	141855	142658	cyanide insensitive terminal oxidase	Y10528	Pseudomonas aeruginosa	310	40
ORF122	144258	143050	putative				
ORF123	145258	144494	putative				

U04953 Homo sapiens D90904 Synechocystis sp. AF008220 Bacillus subtilis X78969 Coxiella burnetii Z49782 Bacillus subtilis U82109 Thermus aquaticus U32705 Haemophilus influenzae					Homo sapiens Synechocystis sp. Bacillus subtilis Coxiella burnetii Thermus aquaticus Haemophilus influenzae Synechocystis sp. Magnetospirillum sp. Haemophilus influenzae	Homo sapiens Synechocystis sp. Bacillus subtilis Coxiella burnetii Bacillus subtilis Thermus aquaticus Haemophilus influenzae Magnetospirillum sp. Haemophilus influenzae Schizosaccharomyces pombe Haemophilus influenzae	mo sapiens rechocystis sp. sillus subtilis siella burnetii rmus aquaticus rmus aquaticus echocystis sp. gnetospirillum sp. mophilus influenzae izosaccharomyces pombe mophilus influenzae	hocystis sp. tus subtilis tus subtilis tus aquaticus ophilus influenzae etospirillum sp. etospirillum sp. saccharomyces pombe	cystis sp. subtilis subtilis subtilis subtilis subtilis si aquaticus hilus influenzae hilus influenzae hilus influenzae hilus influenzae	ens stis sp. thilis arnetii traticus us influenzae	Homo sapiens Synechocystis sp. Bacillus subtilis Coxiella burnetii Haemophilus influenzae Magnetospirillum sp. Haemophilus influenzae Haemophilus influenzae Haemophilus influenzae Gohizosaccharomyces pombe Haemophilus influenzae
U04953 D90904 AF008220 X78969 Z49782 U82109 U32705	04953 0008220 008220 78969 78969 32705	53 69 69 69 69 72 72 72 72 72 72 72 72 72 72									
AF008220 X78969 Z49782 U82109 U32705	78969 78969 49782 82109 32705	69 69 69 09 05					Bac Coo Coo Coo Coo Coo Coo Coo Coo Coo Co	Bacill Coxie Therm Haem Haem Schizo Haem	Bacillus Coxiella Bacillus Thermus Haemop Magneto Schizosa Haemop	Bacillus su Bacillus su Thermus a Haemophil Magnetosp Haemophil Schizosacci	Bacillus su Bacillus su Thermus a Haemophii Magnetosp Haemophii Schizosacc Haemophii
X7896/ Z4978: U8210/ U3270	7896; 4978; 8210; 3270;	N 000 N	9 10/0/0 10/6	0 225 72 8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						
1 1 1		U821 U327 U327 X726.	Z49782 U82109 U32705 X72627 D32253	249782 U82109 U32705 X72627 D32253 U32848	Z49782 U82109 U32705 X72627 D32253 U32848						
of Salmonella typhimurium product similar to E.coli PRFA2 protein Ffh tRNA (guanine-N1)-methyltransferase	g	onella typhimurium similar to E.coli PRFA2 protein guanine-N1)-methyltransferase al protein L19	urium oli PRFA2 protein ethyltransferase r homologous to E.	urium oli PRFA2 protein tethyltransferase homologous to E.	urium oli PRFA2 protein tethyltransferase homologous to E. ik)	onella typhimurium similar to E.coli PRFA2 protein guanine-N1)-methyltransferase al protein L19 protein highly homologous to E. ase HII. ate kinase (gmk) yl-tRNA synthetase yribonuclease V (recD)	arium oli PRFA2 protein tethyltransferase homologous to E. ik) ik) v(recD)	similar to E.coli PRFA2 protein uanine-N1)-methyltransferase al protein L19 protein highly homologous to E. ate kinase (gmk) yl-tRNA synthetase yribonuclease V (recD)	onella typhimurium similar to E.coli PRFA2 protein guanine-N1)-methyltransferase al protein L19 protein highly homologous to E. ase HII. ate kinase (gmk) yl-tRNA synthetase yribonuclease V (recD)	onella typhimurium similar to E.coli PRFA2 protein uanine-N1)-methyltransferase al protein L19 protein highly homologous to E. see HII . ate kinase (gmk) yl-tRNA synthetase yribonuclease V (recD) biotin-protein ligase	similar to E.coli PRFA2 protein uanine-N1)-methyltransferase al protein L19 protein highly homologous to E. see HII. ate kinase (gmk) yl-tRNA synthetase yribonuclease V (recD) biotin-protein ligase
Ffh tRNA (guanine-NI)-methyltr	Fin Fin tRNA (guanine-NI)-methyltr (trmD)	Fin Fin tRNA (guanine-NI)-methyltr (trmD) putative ribosomal protein L19	Fin tRNA (guanine-N1)-methyltr: (tmD) putative ribosomal protein L19 putative protein highly homol coli RNase HII.	Fig. 12. Fig. 12. Fig. 12. Fig. 13. Fig. 14. Fig. 15. Fig	Ffh tRNA (guanine-NI)-methyltr. (trmD) putative ribosomal protein L19 putative protein highly homol coli RNase HII. 5'guanylate kinase (gmk) putative methionyl-tRNA synthetase	Ffh tRNA (guanine-NI)-methyltr: (trmD) putative ribosomal protein L19 putative protein highly homol coli RNase HII. 5'guanylate kinase (gmk) putative methionyl-tRNA synthetase exodeoxyribonuclease V (reci	Figure 1 Summar to E. Cont Free tRNA (guanine-NI)-methyltr (trmD) putative ribosomal protein L19 putative protein highly homol coli RNase HII . 5/guanylate kinase (gmk) putative methionyl-tRNA synthetase exodeoxyribonuclease V (rec) putative putative	Figuration of E. Cour F. Cour	In the summar to E.com rear the SNA (guanine-NI)-methyltr. ImD) utative bosomal protein L19 utative buttive bethionyl-tRNA synthetase cethionyl-tRNA synthetase utative utative utative utative	NA (guanine to E.cou rext. NA (guanine-NI)-methyltr nD) ative osomal protein L19 ative thionyl-tRNA synthetase deoxyribonuclease V (reclative ative	A (guanine-NI)-methyltring (guanine-NI)-methyl
tRNA (guanine-N1)-methyltra	tRNA (guanine-N1)-methyltra (trmD) putative	tRNA (guanine-N1)-methyltra (trmD) putative ribosomal protein L19	tRNA (guanine-NI)-methyltra (trmD) putative ribosomal protein L19 putative protein highly homol coli RNase HII.	tRNA (guanine-N1)-methyltra (trmD) putative ribosomal protein L19 putative protein highly homol coli RNase HII. 5'guanylate kinase (gmk) putative	tRNA (guanine-N1)-methyltra (trmD) putative ribosomal protein L19 putative protein highly homol coli RNase HII. 5/guanylate kinase (gmk) putative methionyl-tRNA synthetase	tRNA (guanine-N1)-methyltra (trmD) putative ribosomal protein L19 putative protein highly homol coli RNase HII. 5'guanylate kinase (gmk) putative methionyl-tRNA synthetase exodeoxyribonuclease V (recI	tRNA (guanine-NI)-methyltra (trmD) putative ribosomal protein L19 putative protein highly homol coli RNase HII. 5'guanylate kinase (gmk) putative methionyl-tRNA synthetase exodeoxyribonuclease V (recI putative	tRNA (guanine-NI)-methyltra (trmD) putative ribosomal protein L19 putative protein highly homol coli RNase HII. S'guanylate kinase (gmk) putative methionyl-tRNA synthetase exodeoxyribonuclease V (recI putative	WA (guanine-N1)-methyltrarmD) utative bosomal protein L19 utative protein highly homololi RNase HII. guanylate kinase (gmk) utative sethionyl-tRNA synthetase kethionyl-tRNA synthetase utative utative utative	NA (guanine-NI)-methyltrand) ative osomal protein L19 ative protein highly homol i RNase HII. uanylate kinase (gmk) ative thionyl-tRNA synthetase deoxyribonuclease V (recI ative ative ative ative ative ative	A (guanine-NI)-methyltra D) tive somal protein L19 tive protein highly homol RNase HII. anylate kinase (gmk) tive nionyl-tRNA synthetase leoxyribonuclease V (recI tive tive tive tive tive tive tive tive
	putative	putative ribosomal protein L19	putative ribosomal protein L19 putative protein highly homologous to coli RNase HII.	putative ribosomal protein L19 putative protein highly homologous to coli RNase HII. S'guanylate kinase (gmk)	putative ribosomal protein L19 putative protein highly homologous to coli RNase HII. 5'guanylate kinase (gmk) putative methionyl-tRNA synthetase	putative ribosomal protein L19 putative protein highly homologous to coli RNase HII. S'guanylate kinase (gmk) putative methionyl-tRNA synthetase exodeoxyribonuclease V (recD)	putative ribosomal protein L19 putative protein highly homologous to coli RNase HII. 5'guanylate kinase (gmk) putative methionyl-tRNA synthetase exodeoxyribonuclease V (recD) putative	putative ribosomal protein L19 putative protein highly homologous to l coli RNase HII . S'guanylate kinase (gmk) putative methionyl-tRNA synthetase exodeoxyribonuclease V (recD) putative putative putative	utative bosomal protein L19 utative protein highly homologous to oli RNase HII. guanylate kinase (gmk) utative tethionyl-tRNA synthetase kodeoxyribonuclease V (recD) utative utative utative	ative osomal protein L19 ative protein highly homologous to li RNase HII . uanylate kinase (gmk) ative thionyl-tRNA synthetase thionyl-tRNA synthetase adve ative ative ative ative ative ative ative	tive somal protein L19 tive protein highly homologous to l RNase HII . anylate kinase (gmk) tive nionyl-tRNA synthetase leoxyribonuclease V (recD) tive tive tive tive tive tive tive tive

End	Homology ,	a	Species	Score I%
176938	orf 3'of chaperonin homolog hypB [Chlamydia psittaci, pigeon strain P-1041, Pentide Partial, 98 aal	S40172	Chlamydia psittaci	376 74
177376 p	putative			
177841 p	putative	M69217	Chlamydia pneumoniae	\dashv
	putative	M69217	Chlamydia pneumoniae	
	Pz-peptidase	D88209	Bacillus licheniformis	_
181876 02. gai	o247; This 247 as orf is 51 pct identical (0 gaps) to 117 residues of an approx. 160 as	AE000174	Escherichia coli	401 42
183074 glu	glutamate-1-semialdehyde 2,1-	X53696	Escherichia coli	823 41
18/1/67 OR	Aminomitase	1128377	Escherichia coli	87 54
	hymothetical protein	D90906	Synechocystis sp.	┢
	ribose 5-phosphate isomerase	U28377	Escherichia coli	111 41
	ribose 5-phosphate isomerase A	U32729	Haemophilus influenzae	190 46
186587 hypo	hypothetical	D83026	Bacillus subtilis	536 42
190933 ATP	ATP-dependent protease binding subunit	M29364	Escherichia coli	2010 53
	ıtive			
	putative			
\dashv	putative			
193010 pur	putative	7.84395	Mycohacterium tuherculosis	242 52
-	DNA ligase (EC 6.5.1.2)	M24278	Escherichia coli	1317 46
	putative			
	putative			\dashv
202999 PcpB	8	U60175	Sphingomonas chlorophenolica	80 .41
204692 put	putative			
	leucine tRNA synthetase	AF008220	Bacillus subtilis	_
	leucyl-tRNA synthetase	X06331	Escherichia coli	\dashv
	transfer RNA-Leu synthetase	M88581	Bacillus subtilis	-+
209577 KDO transferase		721502	Chlamidia promingo	2262 100

ORF	Begin	End	Homology	a .	Species	Score	%I
ORF178	211807	211271	KDO-transferase	X80061	Chlamydia psittaci	105	38
ORF179	212188	211844	putative				
ORF180	214079	212448	pyrophosphate-dependent	Z32850	Ricinus communis	1003	45
OPE181	214907	214083	phospholituciokinase deta sudunit	1144893	Ruhwivihrio fihrisolvens	=	41
ORF182	216154	215429	putative				
ORF183	216115	216678	putative				
ORF184	216728	217282	putative				
ORF185	217267	217866	putative				
ORF186	218593	218261	putative				
ORF187	219821	218994	putative				
ORF188	221382	220309	putative				
ORF189	222719	221433	GMP synthetase	M10101	Escherichia coli	1151	48
ORF190	223521	222724	IMP dehydrogenase	X66859	Acinetobacter calcoaceticus	778	58
ORF191	224499	225008	putative				
ORF192	225140	225559	putative				
ORF193	225555	226802	putative				
ORF194	227800	226892	putative		ı		
ORF195	228335	228072	putative				
ORF196	229251	228643	putative				
ORF197	230983	229622	YqhX	D84432	Bacillus subtilis	1386	99
ORF198	231483	230983	acetyl-CoA carboxylase biotin carboxyl	U38804	Porphyra purpurea	199	52
			carrier protein				
ORF199	232063	231509	elongation factor P	D64001	Synechocystis sp.	282	32
ORF200	232739	232053	pentose-5-phosphate-3-epimerase	D90911	Synechocystis sp.	463	43
ORF201	233166	234356	putative				
ORF202	233518	233165	putative				
ORF203	234536	235186	ORF2	L35036	Chlamydia psittaci	570	9
ORF204	235379	236689	putative				
ORF205	236680	237618	putative				
ORF206	237521	238345	putative				·
ORF207	238281	238973	putative				
ORF208	238871	240115	putative				

ORF	Begin	End	Homology	e	Species	Score	%I
				•			
ORF209	240191	241564	putative				
ORF210	242281	241604	YqiZ	D84432	Bacillus subtilis	379	39
ORF211	242933	242274	f222; This 222 ag orf is 48 pct identical (0	AE000284	Escherichia coli	382	45
•			gaps) to 208 residues of an approx. 232 aa				
-			protein YCKA BACSU SW: P42399				
ORF212	243416	242976	arginine repressor protein (argR)	U32800	Haemophilus influenzae	229	46
ORF213	243500	244531	sialoglycoprotease	U15958	Pasteurella haemolytica	595	53
ORF214	244480	246021	oligopeptide permease homolog AII	AF000366	Borrelia burgdorferi	457	34
ORF215	246330	247811	OppAIV	AF000948	Borrelia burgdorferi	453	35
ORF216	247831	249174	OppA gene product	X56347	Bacillus subtilis	255	37
ORF217	249437	251038	dciAE	X56678	Bacillus subtilis	469	37
ORF218	251325	252212	OppB gene product	X56347	Bacillus subtilis	652	42
ORF219	253156	254007	oligopeptidepermease	X89237	Streptococcus pyogenes	574	48
ORF220	253974	254852	ATP binding protein	L18760	Lactococcus lactis	433	9
ORF221	255258	256094	KDO-transferase	X80061	Chlamydia psittaci	106	46
ORF222	256640	257455	putative				
ORF223	257502	258239	2-OXOGLUTARAT	A47930	Spinacia oleracea	636	52
ORF224	257869	257501	putative				
ORF225	259248	260897	pyrophosphate-fructose 6-phosphate 1-	M55191	Solanum tuberosum	1055	44
			phosphotransferase beta-subunit				
ORF226	262753	261788	putative				
ORF227	263059	262757	putative				
ORF228	264375	263182	putative				
ORF229	265985	264747	putative				
ORF230	266637	266059	putative				
ORF231	267338	266538	putative				
ORF232	267922	267473	putative				
ORF233	269647	270771	tRNA guanine transglycosylase	L33777	Zymomonas mobilis	628	44
ORF234	272777	273145	ORF 4	D00624	Bacteriophage chp1	100	41
ORF235	273253	273636	putative				
ORF236	273705	273977	putative				
ORF237	276016	275717	putative				
ORF238	276439	276020	putative				

ORF	Begin	End	Homology	a	Species	Score	%I
ORF239	276792	277253	putative				
ORF240	277318	277599	putative				
ORF241.	278578	277877	putative				
ORF242	279258	278554	FbpC	U33937	Neisseria gonorrhoeae	312	39
ORF243	280435	279533	putative				
ORF244	281547	280849	putative				
ORF245	281696	282325	CMP-2-keto-3-deoxyoctulosonic acid	U15192	Chlamydia trachomatis	637	63
			synthetase		-		
ORF246	282459	284069	CTP synthetase	U15192	Chlamydia trachomatis	2000	89
ORF247	284056	284517	ORF3	U15192	Chlamydia trachomatis	453	65
ORF248	284606	285775	glucose 6-phosphate dehydrogenase	U83195	Chlamydia trachomatis	1263	77
ORF249	285592	285987	glucose 6-phosphate dehydrogenase	U83195	Chlamydia trachomatis	519	79
ORF250	286179	286976	glucose-6-phosphate dehydrogenase	D88189	Actinobacillus	216	40
		-	isozyme		actinomycetemcomitans		
ORF251	287583	287002	putative				
ORF252	287951	287451	putative				
ORF253	288499	288816	putative				
ORF254	289674	288505	putative				
ORF255	288839	289213	putative				
ORF256	289970	290254	putative				
ORF257	291931	292803	gamma-D-glutamyl-L-diamino acid	X64809	Bacillus sphaericus	95	39
ORF258	293258	292755	ScoS9	1343429	Strentomyces coelicolor	233	45
ORF259	293718	293272	ribosomal protein L13 (rpL13)	U32823	Haemophilus influenzae	364	47
ORF260	294630	293953	glutamine transport ATP-binding protein Q	U67524	Methanococcus jannaschii	387	46
ORF261	296153	294636	putative				
ORF262	294817	295068	putative				
ORF263	296354	297862	conserved hypothetical protein	AE000586	Helicobacter pylori	641	46
ORF264	298415	297879	putative				
ORF265	298777	298253	putative				
ORF266	299572	298781	putative				·
ORF267	300487	299633	putative				
ORF268	301586	300702	putative				

re I%				\dashv	0 38			+	+	\dashv	3 42	2 40	+		1				\dashv	\dashv	\dashv	4		38 59		\dashv		6 37	15 44	94 62		700
Score					250			:	156	547	403	152		-	-	1				141	154	284	172	1838			376	356	545	1194		
Species					Escherichia coli				Sinorhizobium meliloti	Bacillus subtilis	Bacillus firmus	n	Bacillus Jirmus							Schistosoma mansoni	Bacillus subtilis	Bacillus subtilis	Aeromonas salmonicida	Clostridium acetobutylicum			Helicobacter pylori	Escherichia coli	Haemophilus influenzae	Escherichia coli		
a					AE000232	inuma addin			U81296	D84432	U61168	11/11/0	001108							AF006678	X17014	D26185	L47978	U35453			AE000654	U70214	U32744	AE000299		
Homology	putative	putative	putative	putative	f311; This 311 aa orf is 22 pct identical (13	gaps) to 186 residues of an approx. 488 aa	protein YACA_BACSU SW: P37563; pyul	ofD21139	survival protein surE	YafU	3-octaprenyl-4-hydroxybenzoate carboxy-	lyase	4-hydroxybenzoate octaprenyltransterase	putative	putative	putative	putative	putative	putative	lysophospholipase homolog	dnaZX	unknown	DNA gyrase	DNA gyrase subunit B	putative	putative	outer membrane protein	hypothetical	ATP-binding protein (abc)	f374; This 374 aa orf is 30 pct identical (9	gaps) to 102 residues of an approx. 512 aa	DIOICHI FLIC COLLINIO OTTA ACTOR
End	301571	302437	302745	303852	305223				306236	307439	307458		308037	310180	311214	311253	311780	312772	313377	314665	314755	315531	316156	318676	321098	321710	322366	323181	323856	326410		
Begin	302440	302838	303335	304394	304606		•		305394	306501	308033		308924	309485	310426	311597	312772	313425	313646	313937	315576	316157	318657	321042	321445	322309	323190	323843	374878	325340		
ORF	ORF269	ORF270	ORF271	ORF272	ORF273	:			ORF274	ORF275	ORF276		ORF277	ORF278	ORF279	ORF280	ORF281	ORF282	ORF283	ORF284	ORF285	ORF286	ORF287	ORF288	ORF289	ORF290	ORF791	ORF797	OR F703	ORF294	 - -	

ORF	Begin	End	Homology	Œ	Species	Score	%I
				1			
ORF296	328465	327839	putative				
ORF297	329360	328857	putative				
ORF298	330907	329357	putative				
ORF299	332455	330956	MgtE	U18744	Bacillus firmus	203	36
ORF300	334536	332395	putative				
ORF301	336091	334877	putative				
ORF302	336103	337302	putative				
ORF303	338129	338830	putative				
ORF304	338965	339501	putative				
ORF305	339508	340143	putative				
ORF306	340247	342967	putative				.
ORF307	343385	343810	cAMP-dependent protein kinase type I	U75932	Rattus norvegicus	102	37
			regulatory subunit				
ORF308	344171	343935	acyl carrier protein (acpP)	AE000570	Helicobacter pylori	198	55
ORF309	345082	344330	3-ketoacyl-ACP reductase	U39441	Vibrio harveyi	865	84
ORF310	346005	345082	malonyl-CoA:Acyl carrier protein	U59433	Bacillus subtilis	538	45
			transacylase				
ORF311	346784	346437	beta-ketoacyl-acyl carrier protein synthase III (fabH)	AE000540	Helicobacter pylori	273	20
ORF312	347029	346715	beta-ketoacyl-acyl carrier protein synthase	M77744	Escherichia coli	265	63
ODE213	347034	247773	recombination protein	D90916	Smechocyctic cn	363	5
OPE314	348075	350459	mitative		30000		
ORF315	350598	351071	putative	,			
ORF316	351075	352175	rifampicin resistance protein	L22690	Rickettsia rickettsii	495	46
ORF317	353291	352230	putative				
ORF318	353442	354467	pyruvate dehydrogenase E1 component,	D90915	Synechocystis sp.	571	44
			alpha subunit				
ORF319	354451	354933	pyruvate dehydrogenase E1 beta subunit	U09137	Arabidopsis thaliana	495	59
ORF320	355000	355449	pyruvate dehydrogenase E1 component,	U38804	Porphyra purpurea	336	47
			beta subunit				
ORF321	355448	356743	F23B12.5	Z77659	Caenorhabditis elegans	759	46
ORF322	355953	355642	putative				

0 1	3 57		\dashv	-	4			9 45	09			87	3 61	39	34	3 47	39	7 53	59	\vdash	2 47				38	\dashv	38			
Score	2193	-		375	394			160	975	1209	995	760	2173	333	192	358	395	507	480	538	1302				302	175	595	187		
Species	Homo sapiens			Staphylococcus aureus	Haemophilus influenzae			Escherichia coli	Arabidopsis thaliana	Haemophilus influenzae	Chlamydia trachomatis	Chlamydia trachomatis	Chlamydia trachomatis	Escherichia coli	Bacillus subtilis	Synechocystis sp.	Escherichia coli	Escherichia coli	Haemophilus influenzae	Yersinia enterocolitica	Yersinia enterocolitica				Clostridium butyricum	Haemophilus influenzae	Synechocystis sp.	Synechocystis sp.		
a	U47025			D89066	U32781			M76470	AC002329	U32801	U74759	U74759	U74759	X00513	Z18631	D90917	AE000113	AE000219	U32723	U08019	X67771				L37874	U32776	D90901	D64002		
Homology	glycogen phosphorylase B	putative	putative	DnaA	hypothetical	putative	putative	jap	NADPH thioredoxin reductase	ribosomal protein S1 (rpS1)	NusA	NusA		initiation factor IF2-beta (infB; gtg start	ORF6 gene product	tRNA pseudouridine 55 synthase	hypothetical 34.6 kD protein in rpsT-ileS intercenic region	hypothetical GTP-binding protein in pth 3'	hynothetical	YscU	lcrD gene product	putative	putative	putative	4-alpha-glucanotransferase	ribosomal protein L28 (rpL28)	hypothetical protein	comE ORF1	putative	putative
End	356827	359377	359908	359947	361362	363888	365290	365669	365667	369030	369808	370438	372647	373066	373442	374195	375099	375083	375634	377643	379773	380425	381000	381460	383037	383523	385304	386458	386514	387013
Begin	359310	359120	359525	361290	363785	364496	364832	365304	366599	367291	369134	369917	370365	372557	373020	373467	374176	375676	376173	376564	377956	379781	380281	381008	381460	383257	383553	385397	387242	388764
ORF	ORF323	ORF324	ORF325	ORF326	ORF327	ORF328	ORF329	ORF330	ORF331	ORF332	ORF333	ORF334	ORF335	ORF336	ORF337	ORF338	ORF339	ORF340	ORF341	ORF342	ORF343	ORF344	ORF345	ORF346	ORF347	ORF348	ORF349	ORF350	ORF351	ORF352

ORF	Begin	End	Homology	a ·	Species	Score	%I
				000104		005	5
ORF353	390120	390932	methylenetetrahydrofolate dehydrogenase	D64000	Synechocystis sp.	200	3 5
ORF354	390919	391818	to YOJL_ECOLI SW: P33944 (122 aa) and	AE000310	Escherichia coli	186	
			aa 152-351 are 100 pct identical to				
ORF355	392379	391885	small protein	D90914	Synechocystis sp.	387	46
ORF356	392582	392986	putative				T
ORF357	392776	393684	putative			600	;
ORF358	394151	394804	RecF protein	D90907	Synechocystis sp.	757	4
ORF359	394928	395308	putative				
ORF360	395259	395990	putative				1
ORF361	397815	395953	hypothetical	U32773	Haemophilus influenzae	391	श्री
ORF362	398850	397831	H. influenzae predicted coding region	U32763	Haemophilus influenzae	280	39
27.02.40	400005	000000	mitotive			_	
ORF364	400065	400073	YteC	AF008220	Bacillus subtilis	244	30
ORF365	401474	401136	putative				
ORF366	402199	401423	unknown	U52850	Erysipelothrix rhusiopathiae	534	9
ORF367	403193	402186	putative			1	T
ORF368	403650	404165	putative				1
ORF369	404343	405914	adenine nucleotide translocase	Z49227	Arabidopsis thaliana	1280	3
ORF370	405984	407327	putative				
ORF371	407712	408806	putative				
ORF372	410439	409075	putative				
ORF373	411826	410954	putative				1
ORF374	412482	414302	lepA gene product	X91655	Bacillus subtilis	1827	5
ORF375	415402	414407	6-phosphogluconate dehydrogenase,	U32737	Haemophilus influenzae	687	51
72,5340	415040	415237	6-nhoenhoofuconate dehydrogenase 6PGD	S67873	Ceratitis capitata	695	2
OKF3/0	940014	67611	Ceratitis capitata=medflies, Peptide, 481		1		
			aa				
ORF377	417131	415866	tyrosyl-tRNA synthetase (tyrS)	J01719	Escherichia coli	821	3
ORF378	417258	417566	putative				

ORF	Begin	End	Homology	a -	Species	Score	%I
ORF379	418326	417454	whiG-Stv gene product	60L89X	Streptoverticillium griseocarneum	464	41
ORF380	420057	418426	FLHA gene product	X63698	Bacillus subtilis	455	49
ORF381	420448	420720	ferredoxin IV	M59855	Rhodobacter capsulatus	174	63
ORF382	420980	421552	putative				T
ORF383	421556	422029	putative				
ORF384	422461	422925	putative				
ORF385	423562	424320	putative				
ORF386	424250	424591	putative				T
ORF387	424830	426047	putative				1
ORF388	426240	427397	putative				
ORF389	428841	430703	GcpE	D90908	Synechocystis sp.	877	47
ORF390	430694	431446	Х _{ЕН}	U50134	Escherichia coli	136	35
ORF391	431597	432100	putative				
ORF392	432165	432779	putative				:
ORF393	433272	432832	dihydrolipoamide succinyltransferase	U32839	Haemophilus influenzae	475	64
			(sucB)]
ORF394	433925	433227	dihydrolipoamide succinyltransferase	U32839	Haemophilus influenzae	332	45
			(sucB)	11/11/20	Diodobastan sameniatus	1530	44
ORF395	436678	433934	alpha-ketoglutarate dehydrogenase	041/07	Knoaobacier capsulatus	0001	‡ 5
ORF396	437176	438357	oxygen-independent coproporphyrinogen III oxidase (hemN)	AE000628	Helicobacter pylori	442	42
ORF397	440317	438518	putative				
ORF398	440001	440345	putative			1	-
ORF399	441233	440517	ORF f286	U18997	Escherichia coli	168	45
ORF400	440719	441012	putative				
ORF401	442192	441230	putative				
ORF402	442888	442343	putative				
ORF403	442371	442961	putative				
ORF404	443578	443003	[karp] gene products	M86605	Chlamydia trachomatis	505	28
ORF405	444500	443526	aminopeptidase	D17450	Mycoplasma salivarium	273	33
ORF406	444842	444528	putative				
ORF407	445009	444743	putative	L39923	Mycobacterium leprae	.133	33

ORF	Begin	End	Homology	E .	Species	Score	%I
ODE400	445718	445182	mitative				П
OR F409	445807	447804	Sulp	U18908	Zea mays	1307	22
ORF410	448738	447803	putative			,,,	1
ORF411	449628	448618	RuvB protein	U38840	Thermotoga maritima	845	3
ORF412	450298	450867	deoxycytidine triphosphate deaminase (dcd)	AE000554	Helicobacter pylori	5/3	×
ORF413	450713	451207	putative			188	9
ORF414	451211	452452	hemolysin	D90914	Synechocystis sp.	777	5
ORF415	452448	453659	similar to [SwissProt Accession Number	D90888	Escherichia coli	96 	53
			P37908	1 34870	Anahaena azollae	533	38
ORF416	454843	453/25	NIIS gene product	D90908	Synechocystis sp.	371	36
OKF41/	455000	457007	ny pontotron				
ORF418	450245	45/00/	purative				
OKF419	45/010	457979	unknown	D26185	Bacillus subtilis	152	36
ORF420	450706	458377	muty homolog	U63329	Homo sapiens	466	46
ORF421	459493	460194	hypothetical protein	D90914	Synechocystis sp.	86	38
ORF423	461446	460355	putative				
ORF424	462298	461450	putative			- 000	(
ORF425	462444	463349	enoyl-ACP reductase	Y13861	Nicotiana tabacum	2008	6
ORF426	464241	463342	putative				T
ORF427	464574	465065	putative				T
ORF428	465129	465611	putative				
ORF429	465571	466317	putative			770	7,
ORF430	466317	467093	H. pylori predicted coding region HP0152	AE000536	Helicobacter pylori	047	8
ORF431	466999	467502	putative			707	36
ORF432	469691	467715	unidentified transporter-ATP binding	Z82044	Bacillus subtilis	490	3
ORF433	470691	469660	acetyl-CoA carboxylase subunit	AF008220	Bacillus subtilis	/81	75
ORF434	472010	470709	putative				T
ORF435	471545	471799	putative				T
ORF436	472359	472045	putative			;	5
ORF437	473523	472732	orfl.	X75413	Escherichia coli	313	77
ORF438	474889	473441	murE gene product	Z15056	Bacillus subtilis	6/9	2) 5
ORF439	477323	475365	penicillin-binding protein 2	X59630	Neisseria meningitidis	451	47

Begin	End	Homology	6 1	Species	Score	%]
			, , , , , , ,		753	5
	477597	hypothetical protein	D90906	Synechocystis sp.	534	75
	479273	putative				
	479705	putative			3	!
1	481450	chromosomal replication initiator protein Dna A	D90909	Synechocystis sp.	793	40
1	482053	OrfH	U35673	Borrelia burgdorferi	157	37
ŧ	482025	putative				
1	484204	NADH:ubiquinone oxidoreductase subunit	Z37111	Vibrio alginolyticus	801	49
1	485170	NADH:ubiquinone oxidoreductase (GP:Z37111_4)	U32702	Haemophilus influenzae	258	84.
1	485838		Z37111	Vibrio alginolyticus	543	55
1	486580	unidentified protein of Na+-translocating	D49364	Vibrio alginolyticus	488	48
		NADH-quinone reductase				
1	486638	putative				
1	487764	putative				
	489090	putative				
	489152	putative				
	489962	putative				
	490522	putative				
	491112	putative				
	491390	putative				
	494838	ClpC adenosine triphosphatase	U02604	Bacillus subtilis	2370	46
	494822	hypothetical protein in purB 5' region	AE000213	Escherichia coli	927	53
	496565	putative				
	497228	putative				
	497834	putative	,			
	498327	putative				
	499589	putative				
	499792	putative		·		
	504169	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	1215	45
	504600	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	319	47
	506877	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	992	42

ORF	Begin	End	Homology	a ,	Species	Score	%I
00000	006703	117705	missive 08 kDs outer membrane protein	1172499	Chlamydia psittaci	739	94
OK469	507718	510507	nutative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	1813	42
ORF471	508325	507912	putative				
ORF472	510660	513440	POMP90A precursor	U65942	Chlamydia psittaci	1830	46
ORF473	514965	513787	hypothetical	D83026	Bacillus subtilis	482	8
ORF474	517347	515419	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	1554	51
ORF475	517058	517363	putative				
ORF476	517798	517277	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	222	4
ORF477	518200	517847	POMP91B precursor	U65943	Chlamydia psittaci	162	42
ORF478	518300	521146	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	1900	54
ORF479	521392	522948	POMP91A	U65942	Chlamydia psittaci	490	65
ORF480	523244	524809	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	507	35
ORF481	524379	524125	putative				
ORF482	524649	526238	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	696	4
ORF483	526265	527104	putative				
ORF484	526947	526702	putative				1
ORF485	526975	528450	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	197	84
ORF486	528408	529199	putative outer membrane protein	U72499	Chlamydia psittaci	154	37
ORF487	530612	529542	putative				
ORF488	531656	530616	putative				
ORF489	533974	532067	putative				\prod
ORF490	536432	534324	putative			1	
ORF491	537150	536707	putative				
ORF492	537928	537080	putative				
ORF493	538438	537932	putative				
ORF494	538737	538333	putative				
ORF495	539594	539127	putative				
ORF496	541215	539590	putative				
ORF497	542571	541282	putative				
ORF498	543014	542457	putative				
ORF499	543369	542962	putative				3
ORF500	543809	546628	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	506	£ 2
ORF501	546619	549525	POMP91A	U65942	Chlamydia psittaci	971	7

ORF	Begin	End	Homology	ai	Species	Score	%I
ORF502	547293	546994	putative				
ORF503	549699	550523	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	96	32
ORF504	550490	551551	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	223	33
ORF505	551448	552623	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	139	46
ORF506	552652	555117	putative 98 kDa outer membrane protein	U72499	Chlamydia psittaci	487	48
ORF507	555029	555493	putative				
ORF508	558006	555673	putative				
ORF509	559694	558162	putative				
ORF510	558208	558573	putative				
ORF511	561692	559899	putative		-		
ORF512	561412	561708	putative				
ORF513	563942	561777	1,4-alpha-glucan branching enzyme	X73903	Streptomyces coelicolor	1743	45
ORF514	564969	563950	putative				
ORF515	566204	564936	YqeV	D84432	Bacillus subtilis	639	38
ORF516	567717	566302	putative GTPase required for high	U00005	Escherichia coli	989	4
			frequency lysogenization by bacteriophage				
			lambda				
ORF517	568526	567708	putative				
ORF518	569467	568742	putative				
ORF519	571065	569431	putative				
ORF520	571828	571118	arginine-binding periplasmic protein 1	AE000188	Escherichia coli	197	45
			precursor			1	
ORF521	572202	573308	putative				
ORF522	573146	575056	putative				
ORF523	575023	575916	carboxysome formation protein	D90901	Synechocystis sp.	557	59
ORF524	577891	576497	putative				
ORF525	578914	578204	putative				
ORF526	579924	578857	putative				
ORF527	580187	579858	protein kinase C inhibitor	D906060	Synechocystis sp.	260	49
ORF528	580017	580406	putative				
ORF529	581086	580187	Yer156cp	U18917	Saccharomyces cerevisiae	176	22
ORF530	581367	581828	putative				
ORF531	581678	582367	putative				

%I				45				71	59			65			71	100	100		48	46	47			36	35			40		45	
Score				805				2125	324			096			199	2619	674		306	168	374			362	182			423		384	
Species				Synechocystis sp.				Chlamydia trachomatis	Chlamydia trachomatis			Chlamydia trachomatis			Chlamydia trachomatis	Chlamydia pneumoniae	Chlamydia pneumoniae		Escherichia coli	Shigella flexneri	Bacillus subtilis			Serpulina hyodysenteriae	Synechocystis sp.			Helicobacter pylori		Lactococcus lactis	
a .				D64004				L25105	L25105			U52216			M62819	M69227	M69227		U14003	D11024	D83026		·	X73141	D90908			AE000579		L14679	
Homology	putative	putative	putative	hypothetical protein	putative	putative	putative	aminoacyl-tRNA synthetase	has homology to putative heat shock	proteins of Bacillus subtilis and Clostridium	acetobutylicum; ORFA; putative	Possible negative regulator of CIRCE	element; Homologs in B. subtilis and	Clostridia spp. referred to as hrcA or orfA	grpE	DnaK protein homolog; 71,550 Da; putative	DnaK protein homolog; 71,550 Da; putative	putative	vacB gene product	ORF-2	homologous to DNA glycosylases;	hypothetical	putative	hemolysin	hypothetical protein	putative	putative	conserved hypothetical protein	putative	putative	putative
End	583428	583431	584950	586888	587907	588180	589301	592458	592903			593747			594298	595947	596309	597215	597957	598612	599204		599939	602072	602587	603272	604512	605853	606620	607281	607355
Begin	582361	584690	585237	585626	586846	589049	590500	590755	592526			592836			593747	594331	595905	596514	597184	597755	209865		599373	600903	602240	602637	603142	604627	062509	606571	609004
ORF	ORF532	ORF533	ORF534	ORF535	ORF536	ORF537	ORF538	ORF539	ORF540			ORF541			ORF542	ORF543	ORF544	ORF545	ORF546	ORF547	ORF548	,	ORF549	ORF550	ORF551	ORF552	ORF553	ORF554	ORF555	ORF556	ORF557

%		55	44	ç	70	\prod		45	4			37	52	38	35	20	43	35	38	33			4		45	38	45	65	41	39	42	+	69
Score		207	389	000	202			413	889			727	294	244	147	424	323	172	204	999		-	579		266	267	759	265	210	76	284	-	349
Species		Synechocystis sp.	Synechocystis sp.	Comments of the second second	Synechocysus sp.			Escherichia coli	Bacillus subtilis			Bacillus subtilis	Haemophilus influenzae	Synechocystis sp.	Methanococcus jannaschii	Escherichia coli	Synechococcus sp.	Bacillus subtilis	Staphylococcus carnosus	Haemophilus influenzae			Chlamydia psittaci		Chlamydia psittaci	Synechocystis sp.	Synechocystis sp.	Porphyra purpurea	Escherichia coli	Synechocystis sp.	Saccharomyces cerevisiae		Haemophilus influenzae
O		D90917	D90915	20000	D90903			U18997	M97391			Y14083	U32691	D90913	U67605	AE000261	D28752	AF008220	X78084	U32770			U65942		U72499	D90903	D90901	U38804	U18997	D90906	L26503		U32761
Homology	putative	diaminopimelate epimerase	ATP-dependent Clp protease proteolytic	subunit	serine hydroxymethyltransferase	putative	putative	ORF 0328	branched chain alpha-keto acid	dehydrogenase E2	putative	Hypothetical protein	hypothetical	rRNA methylase	hypothetical protein (SP:P39587)	riboflavin synthase alpha chain	ORF 168	YteA	signalpeptidase II	D-alanine permease (dagA)	putative	putative	POMP91A	putative	putative 98 kDa outer membrane protein	adhesion protein	GTP-binding protein	50S ribosomal protein L27	50S ribosomal subunit protein L21	hypothetical protein	assimilatory sulfite reductase	putative	ribosomal protein S10 (rpS10)
End	609932	611004	611746		612341	616279	617383	617810	618826		619918	620021	621265	622560	623335	624174	625484	625883	626395	627790	628607	629697	631639	633551	636957	838098	639593	640728	641007	642283	642286	643076	643351
Begin	610906	611786	612333		613897	615179	616610	618796	620004		619649	621265	652359	623420	624297	624773	620569	625488	268569	626444	627912	628774	629660	631725	633520	637232	640648	640979	641327	641687	643023	643330	643704
ORF	ORFSS	OPESSO	ORF560		ORF561	ORF562	ORF563	ORF564	ORFS65		ORF566	ORF567	ORFS68	OPE560	ORF570	ORF571	ORES72	ORF573	ORF574	ORF575	ORF576	ORF577	ORF578	ORF579	ORF580	ORF581	ORF582	ORF583	ORF584	ORF585	ORF586	ORF587	ORES88

ion elongation factor EF-G (fusA) AE000625 ion factor G (AA 1-691) X16278 nal protein S7 Z11567 nal protein S12 (AA 1-123) X52912 e	ORF	Begin	End	Homology	a	Species	Score	%I
645783 645783 education factor G (AA 1-691) X10278 646269 645793 ribosomal protein S12 (AA 1-123) X1567 646269 645793 ribosomal protein S12 (AA 1-123) X52912 647848 647045 putative D00674 648393 650336 ORF of progene (alt.) U41759 651206 6530420 hypothetical sulfur-rich protein U41759 652256 651289 60kDa CrP X53511 652256 653126 9kDa CrP X53511 652395 653126 9kDa CrP X53511 652740 655189 60kDa CrP X53511 655740 655187 glutamyl-tRNA synthetase homolog U41759 655740 655366 early stage-specific transcription U41759 65501 anktown Libraryl-tRNA synthetase homolog U41759 658140 65702 unktown Language specific transcription U41759 666218 660248 protein-export membrane protein SecD D64000 665173	ORF589	645628	643676	translation elongation factor FE-G (fireA)	AE000625	Holicohacter nulori	1001	05
646269 645793 ribosomal protein S7 Z11567 646264 646314 ribosomal protein S12 (AA 1-123) X52912 647848 647045 putative D00674 64393 650336 ORF of pro gene (att.) U41759 651016 6520420 hypothetical sulfur-rich protein U41759 652295 653126 9kDa CrP X53511 652395 653126 9kDa CrP X53511 655340 654193 glutamyl-tRNA synthetase homolog U41759 655740 654193 glutamyl-tRNA synthetase homolog U41759 655126 65396 early stage-specific transcription L13598 65518 65508 early stage-specific transcription L13598 65518 65508 early stage-specific transcription L13598 65212 unknown U41759 G 66216 658252 RecJ recombination protein U41759 66216 663157 putative D64006 G 665735 66694 <t< td=""><td>ORF590</td><td>645783</td><td>645538</td><td>elongation factor G (AA 1-691)</td><td>X16278</td><td>Thermus aguaticus thermonhilus</td><td>170</td><td>() ()</td></t<>	ORF590	645783	645538	elongation factor G (AA 1-691)	X16278	Thermus aguaticus thermonhilus	170	() ()
646751 646314 ribosomal protein S12 (AA 1-123) X52912 647848 647045 putative 100674 643839 650336 ORF of progene (alt.) D00674 651016 650420 hypothetical sulfur-rich protein U41759 652395 651289 60kDa CrP X53511 653395 653106 gkDa CrP X53511 653396 6531280 60kDa CrP X53511 655740 654193 glutamyl-tRNA synthetase homolog U41759 655740 655102 glutamyl-tRNA synthetase homolog U41759 655740 655102 unknown L13598 665216 early stage-specific transcription U41759 665216 experimentally demonstrated; early U41759 1662216 6650248 protein-export membrane protein SecD U41759 665317 putative RecJ recombination protein D64000 1 665318 66694 hypothetical protein D6400 2 665319 66694 hypothet	ORF591	646269	645793	ribosomal protein S7	Z11567	Chlamydia trachomatis	730	8
647848 647045 putative 648393 650336 ORF of progene (alt.) D00674 651016 650420 hypothetical sulfur-rich protein U41759 652356 651289 60kDa CrP X53511 653395 655193 glutamyl-RNA synthetase homolog U41759 655306 654193 glutamyl-RNA synthetase homolog U41759 655306 655106 early stage-specific transcription L13588 655107 unstream open reading frame (EUO) U41759 66216 658225 Recd recombination protein U41759 663218 660248 protein-export membrane protein SecD D64000 664461 661357 putative D64006 665126 664635 putative D64006 666791 d66994 hypothetical protein D64006 666792 666998 667921 putative C7184 residues of an approx. 256 aa 666998 667921 hypothetical protein D64006 668502 666998 cytidylate kinase	ORF592	646751	646314	ribosomal protein S12 (AA 1-123)	X52912	Cryptomonas phi	485	19
648393 650336 ORF of prc gene (alt.) D00674 651016 650420 hypothetical sulfur-rich protein U41759 652356 651289 60kDa CrP X53511 653395 653126 9kDa CrP X53511 655740 654193 glutamyl-tRNA synthetase homolog U41759 655740 655966 early stage-specific transcription L13598 655140 655966 early stage-specific transcription L13598 658140 657022 unknown U41759 660216 658525 RecJ recombination protein U41759 663138 660248 protein-export membrane protein SecD D64000 664461 663157 putative D64006 665212 666994 hypothetical protein D64006 666212 666998 protein-CDSA ECOLI SW. P06466 AE000193 666313 6669154 670893 arginyl-tRNA-synthetase D64006 668502 669203 hypothetical protein D64006 668504 <	ORF593	647848	647045	putative				
651016 650420 hypothetical sulfur-rich protein U41759 652956 651289 60kDa CrP X53511 653345 653126 9kDa CrP X53511 655740 654193 glutamyl-tRNA synthetase homolog U41759 655740 655196 early stage-specific transcription L13598 655740 655702 unknown U41759 66216 658525 RecJ recombination protein U41759 66216 658525 RecJ recombination protein U41759 662216 665825 RecJ recombination protein U41759 664461 663157 putative D64000 66513 putative D64006 AE00013 66514 putative D64066 AE000193 AC66212 66694 hypothetical protein D64066 AE000193 AC66212 666915 667909 668568 cytidylate kinase AE000193 AC66212 667909 668568 cytidylate kinase AC70226 670853 D04	ORF594	648393	650336	ORF of prc gene (alt.)	D00674	Escherichia coli	554	42
652956 651289 60kDa CrP X53511 653395 653126 9kDa CrP X3511 655740 654193 glutamyl-tRNA synthetase homolog U41759 655740 655126 early stage-specific transcription L13598 655740 655702 unknown L13598 660216 658725 RecJ recombination protein U41759 660216 658525 RecJ recombination protein U41759 660216 658525 RecJ recombination protein U41759 660216 658525 RecJ recombination protein U41759 660217 putative D64000 U41759 666212 666994 hypothetical protein D64006 666324 hypothetical protein D64006 D64006 66699 667921 6298; This 298 as orf is 33 pct identical (24 AE000133 D64006 66699 667929 protein CDSA ECOLI SW; P06466 AE000193 D64006 66850 66790 hypothetical protein D64006 AE000193 D64006	ORF595	651016	650420	hypothetical sulfur-rich protein	U41759	Chlamydia psittaci	301	50
653395 653126 9kDa CrP X53511 655740 654193 glutamyl-tRNA synthetase homolog U41759 655740 655196 early stage-specific transcription L13598 65050 65792 unkinown U41759 660216 657022 unkinown U41759 660218 660248 protein-export membrane protein U41759 6644461 663157 putative D64000 6644461 663157 putative D64006 666998 666994 hypothetical protein D64006 666998 667921 6298; This 298 as orf is 33 pct identical (24 AE000238 Legos) AE000193 Legos) 666998 667921 66994 hypothetical protein D90915 States 666998 667920 hypothetical protein D90915 States 667909 668508 cytidylate kinase AE000193 Legos 668502 669203 hypothetical protein D90915 States 668503 671424 putative D6406 672453 6	ORF596	652956	651289	60kDa CrP	X53511	Chlamydia pneumoniae	2951	100
655740 654193 glutamyl-tRNA synthetase homolog U41759 656508 65596 early stage-specific transcription L13598 656508 65506 early stage-specific transcription L13598 658140 657022 unknown U41759 660216 658225 RecJ recombination protein U41759 660216 658225 RecJ recombination protein U41759 663238 660248 protein-export membrane protein SecD D64000 665157 664615 putative D64000 665718 666994 hypothetical protein D64006 666998 667921 6298; This 298 as orf is 33 pct identical (24 AE000193 666999 667921 669201 hypothetical protein D64006 667909 668508 cytidylate kinase AE000193 1 6679154 670853 arginyl-tRNA-synthetase D64006 2 67226 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 1 672453 674242 put	ORF597	653395	653126	9kDa CrP	X53511	Chlamydia pneumoniae	502	8
656508 655966 early stage-specific transcription L13598 experimentally demonstrated; early unstream open reading frame (EUO) U41759 660216 658525 RecJ recombination protein U41759 660216 658525 RecJ recombination protein U41759 660216 658525 RecJ recombination protein U41759 66217 putative D64000 D64000 665735 664635 putative D64006 665736 66694 hypothetical protein D64006 66671 66699 667921 AE000133 66671 66699 667921 AE000133 66671 66699 AF000193 AE000193 667909 668568 cytidylate kinase AE000193 667909 668568 cytidylate kinase D64006 667909 668508 cytidylate kinase AE000193 66714 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 67137 671424 putative AE000193	ORF598	655740	654193	glutamyl-tRNA synthetase homolog	U41759	Chlamydia psittaci	2259	82
658140 experimentally demonstrated; early unstream open reading frame (EUO) U41759 660216 658525 RecJ recombination protein U41759 660216 658525 RecJ recombination protein U41759 660216 658525 RecJ recombination protein U41759 664461 660248 protein-export membrane protein U41759 664461 663157 putative D64000 665735 666994 hypothetical protein D64006 666790 666994 hypothetical protein D64006 66690 667901 Saps) to 248 residues of an approx. 256 aa AE000193 668502 669203 hypothetical protein D90915 668503 669204 hypothetical protein D64006 67226 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671137 671424 putative 673072 674721 673072 674721 putative C74549 67426 675518 674599 putative X59551	ORF599	80\$9\$9	996559	early stage-specific transcription	L13598	Chlamydia psittaci	999	62
658140 657022 unknown U41759 660216 658525 RecJ recombination protein U41759 660216 658525 RecJ recombination protein U41759 663238 660248 protein-export membrane protein SecD D64000 664461 663157 putative D64000 665735 664635 putative D64006 66598 667921 o298; This 298 aa orf is 33 pct identical (24 AE000238 666212 666994 hypothetical protein D64006 666213 666998 667921 AE000193 666214 666998 G67921 AE000193 666215 G67909 G68568 cytidylate kinase AE000193 667909 668568 cytidylate kinase D6406 67226 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671137 671424 putative C7225 673072 674721 putative C7453 674549 67456 G000000 C7456				experimentally demonstrated; early				
658140 657022 unknown U41759 660216 658525 RecJ recombination protein U41759 663238 660248 protein-export membrane protein SecD D64000 664461 663157 putative D64006 665735 664635 putative D64006 665736 666994 hypothetical protein D64006 66697 666994 hypothetical protein D64006 66697 666994 hypothetical protein D64006 66698 667921 6298; This 298 aa orf is 33 pct identical (24 AE000238 66699 protein CDSA ECOLI SW; P06466 AE000193 66790 668568 cytidylate kinase Cytidylate kinase 669154 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671226 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671307 671424 putative C74721 putative 673518 674549 674266 gene product X59551 676083 675499 putative <td></td> <td></td> <td></td> <td>upstream open reading frame (EUO)</td> <td></td> <td></td> <td></td> <td></td>				upstream open reading frame (EUO)				
660216 658525 RecJ recombination protein U41759 663238 660248 protein-export membrane protein SecD D64000 664461 663157 putative D64006 665735 664635 putative D64006 666212 666994 hypothetical protein D64006 666212 666994 hypothetical protein D64006 666998 667921 o298; This 298 aa orf is 33 pct identical (24 AE000238 AE000238 666999 666994 hypothetical protein D64066 AE000193 667909 668568 cytidylate kinase AE001 SW; P06466 AE000193 668502 669203 hypothetical protein D90915 669154 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671137 671424 putative D04006 673072 674721 putative C74551 674549 674262 putative X59551 675518 675693 putative	ORF600	658140	657022	unknown	U41759	Chlamydia psittaci	950	4
663238 660248 protein-export membrane protein SecD D64000 664461 663157 putative 665735 664635 putative 665735 666994 hypothetical protein D64006 666212 666994 hypothetical protein D64006 666908 667921 o298; This 298 as orf is 33 pct identical (24 AE000238 gaps) to 248 residues of an approx. 256 as protein CDSA ECOLI SW: P06466 AE000193 667909 668568 cytidylate kinase AE000193 668502 669203 hypothetical protein D99015 668154 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671137 671424 putative D44006 672453 673001 putative C7445 673072 674721 putative C7455 673518 674796 ORF246 gene product X59551	ORF601	660216	658525	RecJ recombination protein	U41759	Chlamydia psittaci	807	73
664461 663157 putative 665735 664635 putative 666212 666994 hypothetical protein D64006 66698 667921 o298; This 298 aa orf is 33 pct identical (24 AE000238 gaps) to 248 residues of an approx. 256 aa protein CDSA ECOLI SW; P06466 AE000193 667909 668568 cytidylate kinase AE000193 668502 669203 hypothetical protein D90915 669154 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 672226 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671137 671424 putative Putative 673072 674721 putative X59551 675518 674796 ORF246 gene product X59551	ORF602	663238	660248	protein-export membrane protein SecD	D64000	Synechocystis sp.	413	14
665735 664635 putative 666212 666994 hypothetical protein D64006 666998 667921 o298; This 298 aa orf is 33 pct identical (24 AE000238 gaps) to 248 residues of an approx. 256 aa protein CDSA ECOLI SW; P06466 AE000193 667909 668568 cytidylate kinase AE000193 667909 668568 cytidylate kinase AE000193 668502 669203 hypothetical protein D90915 669154 670893 arginyl-tRNA-synthetase D64006 672226 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671137 671424 putative putative 672453 673001 putative AF4525 673518 674549 674262 putative 675518 6756083 675499 putative	ORF603	664461	663157	putative				
666912 666994 hypothetical protein D64006 666998 667921 0298; This 298 aa orf is 33 pct identical (24 AE000238 gaps) to 248 residues of an approx. 256 aa protein CDSA ECOLI SW: P06466 AE000193 667909 668568 cytidylate kinase AE000193 668502 669203 hypothetical protein D90915 669154 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671137 671424 putative D64006 672453 673001 putative C73518 674549 674526 putative X59551 675518 675083 putative	ORF604	665735	664635	putative				
666998 667921 0298; This 298 aa orf is 33 pct identical (24 AE000238 gaps) to 248 residues of an approx. 256 aa protein CDSA ECOLI SW; P06466 AE000193 667909 668568 cytidylate kinase AE000193 669154 669203 hypothetical protein D90915 669154 670893 arginyl-tRNA-synthetase D64006 672226 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671137 671424 putative C73001 672453 673001 putative C74549 674549 674262 putative X59551 675518 675083 675499 putative	ORF605	666212	666994	hypothetical protein	D64006	Synechocystis sp.	538	58
667909 668568 cytidylate kinase AE000193 668502 669203 hypothetical protein D90915 668154 670893 arginyl-tRNA-synthetase D64006 672226 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671137 671424 putative C72453 C74721 673072 674262 putative Dutative 675518 674549 G74262 putative 675518 675083 ORF246 gene product X59551	ORF606	866999	667921	o298; This 298 as orf is 33 pct identical (24	AE000238	Escherichia coli	253	45
667909 668568 cytidylate kinase AEOOLJ SW; P06466 668502 669203 hypothetical protein D90915 669154 670893 arginyl-tRNA-synthetase D64006 672226 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671137 671424 putative C72453 673072 674721 putative C73454 674549 674262 putative X59551 676083 675499 putative X59551				gaps) to 248 residues of an approx. 256 aa				
668502 669203 hypothetical protein AEU00193 669154 670893 arginyl-tRNA-synthetase D64006 67226 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671137 671424 putative C72453 673072 674721 putative 673649 674262 putative 675518 674796 ORF246 gene product 675518 675499 putative	ODE507	000622	073077	protein CDSA_ECOLI SW: P06466	4 1000100			1
669154 670893 arginyl-tRNA-synthetase D90915 672226 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671137 671424 putative C73001 673072 674721 putative C74549 675518 674796 ORF246 gene product X59551	ON 100	606/00	000000	cylinylate kinase	AE000193	Escherichia coli	400	84
609134 6/0893 arginyl-tRNA-synthetase D64006 672226 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671137 671424 putative C72453 673001 673072 674721 putative C74549 674262 putative 675518 674796 ORF246 gene product X59551 A759551	ONTON	000000	009203	nypoineitai protein	CIANA	Synechocystis sp.	225	33
672226 670853 UDP-N-acetylglucosamine enolpyruvyl U32788 671137 671424 putative 672453 673001 putative 673072 674721 putative 674549 674262 putative 675518 674796 ORF246 gene product 676083 675499 putative	OKF609	669154	6/0893	arginyl-tRNA-synthetase	D64006	Synechocystis sp.	1365	49
671137 671424 putative 672453 673001 putative 673072 674721 putative 674549 674262 putative 675518 674796 ORF246 gene product 676083 675499 putative	ORF610	672226	670853	UDP-N-acetylglucosamine enolpyruvyl	U32788	Haemophilus influenzae	642	40
671137 671424 putative 672453 673001 putative 673072 674721 putative 674549 674262 putative 675518 674796 ORF246 gene product 676083 675499 putative				transferase (murZ)				
672453 673001 putative 673072 674721 putative 674549 674262 putative 675518 674796 ORF246 gene product X59551 676083 675499 putative	ORF611	671137	671424	putative				
673072 674721 putative 674549 674262 putative 675518 674796 ORF246 gene product X59551 676083 675499 putative	ORF612	672453	673001	putative				
674549 674262 putative 675518 674796 ORF246 gene product X59551 676083 675499 putative	ORF613	673072	674721	putative				
675518 674796 ORF246 gene product X59551 676083 675499 putative	ORF614	674549	674262	putative				Ť
676083 675499	ORF615	675518	674796	ORF246 gene product	X59551	Escherichia coli	520	43
	ORF616	676083	675499	putative				İ

	63	+	\dashv	5 48	38	5 45	\vdash			0 48	┡			0 45				0 46		3 45		\dashv	1 37	7 40	43		_	266 42	╀╌	-	-	595 43	├	ł
	192		427	175	263	506				190				820				380		593			371	197	324			2,6	12	1		59	4	
sanado	11.1	Bacillus subtilis	Bacillus firmus	Saccharomyces cerevisiae	Davillus cultilis	Ducillus suotinis	Bacinus suoimis			16 ococour vanthus	Myzococus zaminas			Ecohonichio coli	Escriettema con			Saccharomyces cerevisiae	Succession Construction of the Construction of	Uzamonhilus influenzae	Haemophina rijiachaa		Sympohococcus sp.	Racillus subtilis	Racillus suhtilis			Autidomaic thaliana	Cammilohastor ioitini	Halicohorter milori	Heitcobarter Pytor:	Solanum tuherosum	Arahidonsis thaliana	עומחומסוים ווויייייים
a		D10279	X99401	7/0039	20176	070183	D04170			700001	L39904			0000011	706/10			749009	740000	010001	032810		D85103	V56147	1120000	02070		7170 411	X/341/	U38043	AE000392	05955V	V21647	7101/
Homology	nitative	0.000	UKF3	peptide release factor 2	unknown	unknown	unknown	putative	putative	putative	sensor protein	putative	putative	putative	NtrC/NifA-like protein regulator	putative	putative	putative	unknown	putative	phenylalanyl-tRNA synthetase beta-subunit	(phel)	putative	OppC-like protein	OppB gene product	AppA	putative	putative	ferrochelatase	histidine periplasmic binding protein F29	conserved hypothetical protein	putative	ADP-glucose pyrophosphoryiase	The same product
End	7,40,67	1000/0	676600	677015	678259	260089	768089	680849	682281	682821	683902	683969	684534	685117	687288	688151	689501	689622	691126	691497	695064		696032	696585	698274	882669	702567	703208	705289	705300	706254	706811	707677	
Begin	063363	0/0020	677016	677647	066229	679444	680097	681637	681409	682453	682763	684616	685169	986589	686278	687483	688740	690242	690470	692600	692674		695049	697964	699803	701926	703196	704221	704240	706070	706841	707596	999802	
ORF	21/140	OKr61/	ORF618	ORF619	OBEAN	OD EK21	OD E622	000000	OPE624	OPEG25	ORF626	ORF627	ORF628	OR E629	ORF630	OP E631	OR F632	ORF613	ORF634	ORF635	ORF636		ORF637	ORF638	ORF639	ORF640	ORF641	ORF642	ORF643	ORF644	ORF645	ORF646	ORF647	

	1251 60	1334 43	+	╁	+	+	_	10/0		 	 	 - 	 	 	4				 	1-											
Species	Escherichia coli	Ctrontocoons promonico	Streptococcus pheumoniae	Methanococcus Jannaschii	Arabidopsis inditana	Bacillus subtilis	Pseudomonas putida			Myxococcus xanthus	Myxococcus xanthus Haemophilus influenzae	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis Chlamydia trachomatis Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis Chlamydia trachomatis Chlamydia trachomatis Chlamydia trachomatis Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis Chlamydia trachomatis Chlamydia trachomatis Chlamydia trachomatis Chlamydia trachomatis Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis Chlamydia trachomatis Chlamydia trachomatis Chlamydia trachomatis Chlamydia trachomatis Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis	Myxococcus xanthus Haemophilus influenzae Haemophilus influenzae Haemophilus influenzae Chlamydia trachomatis
		+	+	+	+	+	\dashv		+	J05207 Myxococc														 					+ -+	 	+ ++ ++++++++++++++++++++++++++++++++++
J01673		104470	3044/9	710/00	777677	D26185	X62540		105207	10200	1132716	U32716 U32717	U32716 U32717	U32716 U32717																	
	transcription termination factor	putative	DNA polymerase I	protease IV	adenine nucleotide translocase	replicative DNA helicase	homologous to E.coli gidA	putative		nucleoside 5'-diphosphate	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6)	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA)	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC)	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17 RNA polymerase alpha-subunit	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17 RNA polymerase alpha-subunit	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17 RNA polymerase alpha-subunit ribosomal protein S11	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17 RNA polymerase alpha-subunit ribosomal protein S11 ribosomal protein S11	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17 RNA polymerase alpha-subunit ribosomal protein S11 ribosomal protein S13 homolog	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17 RNA polymerase alpha-subunit ribosomal protein S11 ribosomal protein S13 homolog ribosomal protein CtrL15e	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17 RNA polymerase alpha-subunit ribosomal protein S11 ribosomal protein S13 homolog ribosomal protein CttL15e ribosomal protein CttL15e	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17 RNA polymerase alpha-subunit ribosomal protein S11 ribosomal protein S13 homolog ribosomal protein S13 ribosomal protein CtrL15e ribosomal protein CtrL5e ribosomal protein CtrL5e ribosomal protein CtrL5e ribosomal protein CtrL5e	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17 RNA polymerase alpha-subunit ribosomal protein S11 ribosomal protein S13 homolog ribosomal protein CtrL15e ribosomal protein CtrL15e ribosomal protein L6 ribosomal protein L6	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17 RNA polymerase alpha-subunit ribosomal protein S11 ribosomal protein S13 homolog ribosomal protein CtrL15e ribosomal protein CtrL15e ribosomal protein L6 ribosomal protein CtrS5e	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17 RNA polymerase alpha-subunit ribosomal protein S11 ribosomal protein S13 homolog ribosomal protein CtrL15e ribosomal protein CtrL15e ribosomal protein L6 ribosomal protein L6 ribosomal protein L6 ribosomal protein L6 ribosomal protein CtrL5e ribosomal protein CtrL5e	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17 RNA polymerase alpha-subunit ribosomal protein S11 ribosomal protein S13 homolog ribosomal protein CtrL15e ribosomal protein CtrL15e ribosomal protein CtrL15e ribosomal protein L6 ribosomal protein L6 ribosomal protein L6 ribosomal protein CtrL3e ribosomal protein CtrL3e ribosomal protein CtrL5e	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17 RNA polymerase alpha-subunit ribosomal protein S11 ribosomal protein S13 homolog ribosomal protein CtrL15e ribosomal protein CtrL15e ribosomal protein CtrL26 ribosomal protein L6 ribosomal protein L6 ribosomal protein CtrL3e ribosomal protein CtrL3e ribosomal protein CtrL4e ribosomal protein CtrL4e ribosomal protein CtrL4e ribosomal protein CtrL4e	nucleoside 5'-diphosphate phosphotransferase (EC 2.7.4.6) Holliday junction DNA helicase (ruvA) crossover junction endodeoxyribonuclease (ruvC) putative putative glyceraldehyde-3-phosphate dehydrogenase ribosomal protein L17 RNA polymerase alpha-subunit ribosomal protein S11 ribosomal protein S13 homolog ribosomal protein CtrL15e ribosomal protein L6 ribosomal protein CtrSe ribosomal protein CtrL16e ribosomal protein CtrL14e
-	$\left \cdot \right $			1	715886 adenine r	720243 replicativ			723120 nucleosic																						
_					717538 7	719113 7		722406 7.		723551																					
	ORF649	ORF650	ORF651	ORF652.	ORF653	ORF654	ORF655	ORF656	ORF657	_		ORF658	ORF658 ORF659	ORF658 ORF659	ORF658 ORF659 ORF660 ORF661	ORF658 ORF659 ORF660 ORF661 ORF662	ORF658 ORF659 ORF660 ORF661 ORF662 ORF662	ORF658 ORF659 ORF660 ORF661 ORF662 ORF663 ORF663	ORF658 ORF659 ORF660 ORF661 ORF662 ORF664 ORF664	ORF658 ORF659 ORF660 ORF661 ORF663 ORF664 ORF665	ORF658 ORF659 ORF660 ORF661 ORF664 ORF665 ORF666	ORF658 ORF659 ORF660 ORF661 ORF664 ORF665 ORF666 ORF666	ORF658 ORF659 ORF660 ORF661 ORF664 ORF665 ORF666 ORF666 ORF666	ORF658 ORF659 ORF661 ORF664 ORF665 ORF665 ORF666 ORF666 ORF666 ORF666 ORF666	ORF658 ORF659 ORF660 ORF664 ORF665 ORF666 ORF666 ORF666 ORF666 ORF666 ORF667	ORF658 ORF659 ORF660 ORF661 ORF664 ORF665 ORF666 ORF666 ORF667 ORF669 ORF669 ORF667	ORF658 ORF659 ORF660 ORF661 ORF664 ORF666 ORF666 ORF666 ORF667 ORF667 ORF667 ORF667	ORF658 ORF659 ORF660 ORF661 ORF664 ORF665 ORF666 ORF666 ORF666 ORF667 ORF667 ORF671	ORF658 ORF659 ORF660 ORF661 ORF663 ORF666 ORF666 ORF666 ORF666 ORF667 ORF667 ORF667 ORF671 ORF671	ORF658 ORF659 ORF660 ORF661 ORF664 ORF666 ORF666 ORF666 ORF667 ORF667 ORF671 ORF673 ORF673 ORF673	ORF658 ORF659 ORF660 ORF661 ORF664 ORF666 ORF666 ORF667 ORF671 ORF673 ORF673 ORF673 ORF673 ORF674 ORF675 ORF675

737192 736524 ribosomal protein S3 D64071 737555 737211 ribosomal protein L22 Z21677 739048 737813 S0S ribosomal protein L2 U18997 739048 738713 putative U18997 740659 740956 ribosomal protein L4 X67014 74077 740771 putative Z46265 740789 Putative D64001 741729 741827 UDP-N-acetylglucosamine acyltransferase D64001 744604 744107 UDP-N-acetylglucosamine D90910 744604 744107 UDP-N-acetylglucosamine D90910 744604 744107 UDP-3-0-acyl N-acetylglosamine D90910 744604 744107 UDP-3-0-acyl N-acetylglosamine D90910 744608 744086 JUDP-3-0-acyl N-acetylglosamine D69010 744609 744086 UDP-3-0-acyl N-acetylglosamine D69010 744609 744096 UDP-3-0-acyl N-acetylglosamine D69010 746608 746621 Involution N-acetylg	ORF	Begin	End	Homology	a ·	Species	Score	%I
737555 737211 ribosomal protein L22 Z21677 738688 737837 50S ribosomal subunit protein L2 U18997 739048 738713 putative U18997 739736 739065 ribosomal protein L4 X67014 740659 740958 putative Z46265 740659 740721 putative D64001 742789 741827 UDP-N-acetylglucosamine acyltransferase D64001 744092 743634 (3R)-hydroxymyristol acyl carrier protein D90910 744604 744107 UDP-3-O-acyl GloNAc deacetylgse L67855 744608 744986 apollipoprotein N-acyltransferase (cute) U32716 74508 744986 apollipoprotein N-acyltransferase (cute) U32716 747085 746621 low homology to P14 protein of D78189 747085 746621 low homology to P14 protein of D78189 749085 748594 74856 polymetrase III D90914 751046 748579 putative D90914	ORF679	737192	736524	ribosomal protein S3	D64071	Actinobacillus actinomycetemcomitans	612	58
738688 737837 50S ribosomal subunit protein L2 U18997 739048 738713 putative X67014 739736 739065 ribosomal protein L4 X67014 740477 739773 ribosomal protein L3 Z46265 740659 740928 putative Z46265 741722 740721 methiovil-IRNA formyltransferase D64001 747029 743634 (3R)-hydroxymyristol acyl carrier protein D90910 744092 743634 (3R)-hydroxymyristol acyl carrier protein D90910 744092 744092 744409 J44409 744094 744107 UDP-3-0-acyl N-acetylglocsamine D90910 744095 744094 J44986 apolipoprotein N-acyltransferase UD7855 744095 744098 JUDP-3-0-acyl N-acetylglocsamine D90914 747086 746621 low homology to P14 protein of D78189 747085 746621 low homology to P14 protein of D78189 747087 748573 putative L78573	ORFKRO	737555	737211	ribosomal protein L22	Z21677	Thermotoga maritima	228	48
739048 738713 putative 739736 ribosomal protein L4 X67014 740477 739773 ribosomal protein L3 Z46265 740659 740958 putative D64001 741722 740721 putative D64001 741732 741827 uDP-N-acetylglucosamine acyltransferase L22690 744092 743634 (3R)-hydroxymyristol acyl carrier protein D90910 744092 743634 (3R)-hydroxymyristol acyl carrier protein D90910 744092 744092 10DP-3-0-acyl N-acetylglcosamine D90910 744092 7444094 UDP-3-0-acyl N-acetylglcosamine D90910 744092 7444096 UDP-3-0-acyl N-acetylglcosamine D90910 744093 744096 UDP-3-0-acyl N-acetylglcosamine D90910 746608 744986 UDP-3-0-acyl N-acetylglcosamine D90910 747085 744096 Indonestylase D78188 744060 744086 Indonestylase D78188 749652 748573 putative	ORF681	738688	737837	50S ribosomal subunit protein L2	U18997	Escherichia coli	769	62
739736 ribosomal protein L4 X67014 740477 739773 ribosomal protein L3 Z46265 740659 740958 putative 246265 741722 740721 putative D64001 741722 740721 methionyl-RNA formyltransferase L22690 742789 742782 UDP-N-acetylglucosamine acyltransferase L22690 744092 744094 744107 UDP-N-acetylglucosamine dehydrase D90910 744094 744107 UDP-3-0-acyl N-acetylglcosamine deacetylase D90910 744095 744408 UDP-3-0-acyl-GlcNAc deacetylase U67855 74608 744086 apolipoprotein N-acyltransferase (cute) U32716 747085 74661 low homology to P14 protein of D78189 747085 746621 low homology to P14 protein of D78189 747086 747085 Heamophilus influenzar and 14.2 kDa D90914 74974 74873 putative L39892 750446 Ap977 spol T50446 mip	ORF682	739048	738713	putative				ļ
740477 739773 ribosomal protein L3 Z4625 740659 740958 putative 740659 740658 741722 740721 putative D64001 742789 741827 methionyl-tRNA formyltransferase L22690 743618 742782 UDP-N-acetylglucosamine acyltransferase L22690 744092 744107 UDP-3-0-acyl N-acetylglcosamine D90910 744094 744107 UDP-3-0-acyl N-acetylglcosamine D90910 744095 744408 UDP-3-0-acyl N-acetylglcosamine D90910 747081 744986 apolipoprotein N-acyltransferase (cute) U57855 747085 746621 low homology to P14 protein of D78189 747086 746621 low homology to P14 protein of D78189 747087 746621 low homology to P14 protein of D78189 74708 746621 low homology to P14 protein of D78189 74708 74853 putative L39892 750446 749979 spol L3784 <t< td=""><td>ORF683</td><td>739736</td><td>739065</td><td>ribosomal protein L4</td><td>X67014</td><td>Bacillus stearothermophilus</td><td>308</td><td>94</td></t<>	ORF683	739736	739065	ribosomal protein L4	X67014	Bacillus stearothermophilus	308	94
740659 740958 putative 741722 740721 putative 741722 741827 methionyl-tRNA formyltransferase L22690 742789 741827 UDP-N-acetylglucosamine acyltransferase L22690 744092 743634 (3R)-hydroxymyristol acyl carrier protein D90910 744092 744107 UDP-3-0-acyl N-acetylglcosamine D90902 744604 744107 UDP-3-0-acyl N-acetylglcosamine D90902 746608 74498 UDP-3-0-acyl N-acetylglcosamine D90902 74608 746621 low homology to P14 protein of D78189 747085 748621 polymerase III D90914 749145 748573 putative D90914 753040 750446 <	ORF684	740477	739773	ribosomal protein L3	Z46265	Thermus aquaticus thermophilus	463	20
741722 740721 putative 742789 741827 methionyl-tRNA formyltransferase L22690 742782 UDP-N-acetylglucosamine acyltransferase L22690 744092 743634 (3R)-hydroxymyristol acyl carrier protein D90910 744092 744107 UDP-N-acetylglucosamine D90902 744604 744107 UDP-3-0-acyl N-acetylglcosamine D90902 744608 74498 UDP-3-O-acyl-GlcNAc deacetylase U67855 744608 744986 apolipoprotein N-acyltransferase (cute) U32716 747085 746621 low homology to Pt4 protein of D78189 747085 746621 low homology to Pt4 protein of D78189 748594 748169 hypothetical protein M22996 749652 74957 trxA L38892 750446 74957 trxA L38892 753042 751291 aspatryl-RNA synthetase L39891 753040 756150 hexosephosphate transport protein M89499 756120 756485 hex	ORF685	740659	740958	putative				
742789 741827 methionyl-tRNA formyltransferase D64001 743618 742782 UDP-N-acetylglucosamine acyltransferase L22690 744092 743634 (3R)-hydroxymyristol acyl carrier protein D90910 744092 744107 UDP-3-0-acyl N-acetylglcosamine D90902 744604 744107 UDP-3-0-acyl-GlcNAc deacetylase U67855 744953 744498 UDP-3-O-acyl-GlcNAc deacetylase U67855 744608 744661 low homology to P14 protein of U32716 747085 746621 low homology to P14 protein of D78189 747086 747086 polymerase III M22996 747087 148573 putative L39892 751219 750446 hypothetical protein L39892 751219 750446 mp Apply 751219 750446 mip Apply 754309 751291 aspartyl-tRNA synthetase D90910 754309 754309 Aspartyl-tRNA synthetase D90910 756120 756485	ORF686	741722	740721	putative			;	
743618 742782 UDP-N-acetylglucosamine acyltransferase L22690 744092 743634 (3R)-hydroxymyristol acyl carrier protein D90910 744092 743634 (3R)-hydroxymyristol acyl carrier protein D90910 744604 744107 UDP-3-0-acyl N-acetylglcosamine D90902 744608 744498 UDP-3-0-acyl N-acetylglcosamine U67855 744608 744498 UDP-3-0-acyl N-acetylglcosamine U67855 746608 7446621 low homology to P14 protein of U32716 747085 746621 low homology to P14 protein of D78189 747086 746621 low homology to P14 protein of M22996 747087 748169 hypothetical protein M22996 749854 748169 hypothetical protein L39892 751219 750446 T49979 spoU 751219 750446 mip L39892 753040 751291 aspartyl-tRNA synthetase L39892 755120 755485 hexosephosphate transport protein M89480	ORF687	742789	741827	methionyl-tRNA formyltransferase	D64001	Synechocystis sp.	511	\$
744092 743634 (3R)-hydroxymyristol acyl carrier protein D90910 744604 744107 UDP-3-0-acyl N-acetylglcosamine D90902 744604 744107 UDP-3-0-acyl N-acetylglcosamine D90902 744953 744498 UDP-3-O-acyl-GlcNAc deacetylase U67855 746608 744986 apolipoprotein N-acyltransferase (cute) U32716 747085 746621 low homology to P14 protein of D78189 747086 746621 low homology to P14 protein of D78189 747087 747219 polymerase III M22996 748594 748169 hypothetical protein D90914 749145 748573 putative L39892 751219 750446 mip L39892 751219 750446 mip L39892 751219 756120 756126 histidinetRNA ligase Z17214 755120 756125 hexosephosphate transport protein M89479 76120 756499 760227 DNA polymerase III alpha-subunit (dnaE) AE000646<	ORF688	743618	742782	UDP-N-acetylglucosamine acyltransferase	L22690	Rickettsia rickettsii	542	5
744604 744107 UDP-3-0-acyl N-acetylglcosamine D90902	ORF689	744092	743634	(3R)-hydroxymyristol acyl carrier protein	D90910	Synechocystis sp.	339	55
744604 744107 UDP-3-0-acyl N-acetylglcosamine D90902 744604 744107 UDP-3-0-acyl N-acetylase U67855 744953 744498 UDP-3-O-acyl-GlcNAc deacetylase U67855 746608 744986 apolipoprotein N-acyltransferase (cute) U32716 747085 746621 low homology to P14 protein of D78189 747086 746621 low homology to P14 protein of D78189 747074 747219 polymerase III M22996 749145 748169 hypothetical protein D90914 749145 748573 putative L39892 750446 mip L39892 L39892 751219 750446 mip L39892 753042 753020 histidinetRNA ligase Z17214 754309 756126 756186 hexosephosphate transport protein M89480 756120 756485 hexosephosphate transport protein M89479 761217 760297 putative 761217 761809 mutative <td></td> <td></td> <td></td> <td>denydrase</td> <td>00000</td> <td></td> <td>207</td> <td>15</td>				denydrase	00000		207	15
744953 744498 UDP-3-O-acyl-GlcNAc deacetylase U67855 746608 744986 apolipoprotein N-acyltransferase (cute) U32716 747085 746621 low homology to P14 protein of D78189 747085 746621 low homology to P14 protein of D78189 747974 747219 protein of Escherichia coli M22996 748594 748169 hypothetical protein M22996 749145 748573 putative L39892 750446 749979 spoU L39892 751219 750446 mip L39892 753042 751291 aspartyl-tRNA synthetase L39892 754309 753020 histidinetRNA ligase Z17214 755120 756175 hexosephosphate transport protein M89479 756120 756485 hexosephosphate transport protein M89479 761217 761217 761217 A60297 putative 761217 761217 A61809 mutative	ORF690	744604	744107	UDP-3-0-acyl N-acetylglcosamine deacetylase	D90902	Synechocystis sp.	787	. 0
746608 744986 apolipoprotein N-acyltransferase (cute) U32716 747085 746621 low homology to P14 protein of Earnophilus influenzar and 14.2 kDa D78189 747087 747219 polymerase III M22966 748594 748169 hypothetical protein D90914 749145 748573 putative L39892 750446 749979 spoU L39892 751219 750446 mip L39892 753042 751291 aspartyl-tRNA synthetase D90910 753042 751291 aspartyl-tRNA ligase Z17214 755120 756175 hexosephosphate transport protein M89480 755120 756485 hexosephosphate transport protein M89479 76121 760227 DNA polymerase III alpha-subunit (dnaE) AE000646 76121 76120 putative nutative	OPE601	744953	744498	UDP-3-O-acvl-GlcNAc deacetylase	U67855	Pseudomonas aeruginosa	262	51
747085 746621 low homology to P14 protein of Heamophilus influenzar and 14.2 kDa D78189 747074 747219 protein of Escherichia coli M22996 748594 748169 hypothetical protein D90914 749145 748573 putative L39892 749652 749957 trxA L39892 750446 750446 mip L39892 751219 750446 mip L39892 753042 751291 aspartyl-tRNA synthetase D90910 754309 753020 histidinetRNA ligase Z17214 755120 756175 hexosephosphate transport protein M89479 756120 756485 hexosephosphate transport protein M89479 756499 76027 DNA polymerase III alpha-subunit (dnaE) AE000646 761217 761207 putative AE000646	OR E602	746608	744986	apolipoprotein N-acyltransferase (cute)	U32716	Haemophilus influenzae	194	20
Heamophilus influenzar and 14.2 kDa 147974 747219 polymerase III M22996 148594 748169 hypothetical protein D90914 149145 748573 putative D90914 149145 748957 trxA L39892 150446 749979 spoU L39892 150446 751291 aspartyl-tRNA synthetase D90910 153042 751291 aspartyl-tRNA ligase D90910 154309 755120 756175 hexosephosphate transport protein M89480 156120 756485 hexosephosphate transport protein M89479 1561217 760297 putative DNA polymerase III alpha-subunit (dnaE) AE000646 161217 760297 putative Dutative D1007 161217 760297 putative D1007 D1007 161217 760297 putative D1007 161217 760297 putative D1007 161217 760297 putative D1007 161217 760297 putative D1007 161218 D1007 D1007 161219 D1007 1612	OR F693	747085	746621	low homology to P14 protein of	D78189	Bacillus subtilis	235	37
747974 747219 protein of Escherichia coli M22996 748594 748169 hypothetical protein D90914 749145 748573 putative L39892 749652 749957 trxA L39892 750446 750446 mip L39892 751219 750446 mip L39892 751219 750446 mip L39892 751219 751291 aspartyl-tRNA synthetase L39892 754309 755120 756175 hexosephosphate transport protein M89480 756120 756485 hexosephosphate transport protein M89479 756120 756485 hexosephosphate transport protein M89479 756120 760227 DNA polymerase III alpha-subunit (dnaE) AE000646 761217 760297 putative nutative				Heamophilus influenzar and 14.2 kDa				
747974 747219 polymerase III M22996 748594 748169 hypothetical protein D90914 749145 748573 putative L39892 749652 749979 spoU L39892 751219 750446 mip L39892 753042 751291 aspartyl-fRNA synthetase L39892 753040 753020 histidinefRNA ligase Z17214 755120 756175 hexosephosphate transport protein M89480 755120 756485 hexosephosphate transport protein M89479 756499 760227 DNA polymerase III alpha-subunit (dnaE) AE000646 761217 760297 putative				protein of Escherichia coli				;
748594 748169 hypothetical protein D90914 749145 748573 putative L39892 749652 749957 trxA L39892 750446 mip L39892 751219 750446 mip L39892 753042 751291 aspartyl-tRNA synthetase D90910 754309 753020 histidinetRNA ligase Z17214 755120 756175 hexosephosphate transport protein M89480 755120 756485 hexosephosphate transport protein M89479 756499 760227 DNA polymerase III alpha-subunit (dnaE) AE000646 761217 760297 putative	ORF694	747974	747219	polymerase III	M22996	Bacillus subtilis	180	34
749145 748573 putative L39892 749652 749957 trxA L39892 750446 mip L39892 751219 750446 mip L39892 753042 751291 aspartyl-tRNA synthetase D90910 754309 753020 histidinetRNA ligase Z17214 755120 756175 hexosephosphate transport protein M89480 755120 756485 hexosephosphate transport protein M89479 756499 760227 DNA polymerase III alpha-subunit (dnaE) AE000646 761217 760297 putative mutative	ORF695	748594	748169	hypothetical protein	D90914	Synechocystis sp.	160	43
749652 749957 trxA L39892 750446 749979 spoU L39892 751219 750446 mip L39892 753042 751291 aspartyl-tRNA synthetase D90910 754309 755120 histidinetRNA ligase Z17214 755120 756175 hexosephosphate transport protein M89480 756120 756485 hexosephosphate transport protein M89479 756499 760227 DNA polymerase III alpha-subunit (dnaE) AE000646 761217 760297 putative 761307 761809 mutative	ORF696	749145	748573	putative				
750446 749979 spoU L39892 751219 750446 mip L39892 753042 751291 aspartyl-tRNA synthetase D90910 754309 753020 histidinetRNA ligase Z17214 755120 756125 hexosephosphate transport protein M89480 756120 756485 hexosephosphate transport protein M89479 756499 760227 DNA polymerase III alpha-subunit (dnaE) AE000646 761217 760297 putative 761307 761809 mutative	ORF697	749652	749957	trxA	L39892	Chlamydia psittaci	393	21
751219 750446 mip L.39892 753042 751291 aspartyl-tRNA synthetase D90910 754309 753020 histidinetRNA ligase Z17214 755120 756175 hexosephosphate transport protein M89480 756120 756485 hexosephosphate transport protein M89479 756499 760227 DNA polymerase III alpha-subunit (dnaE) AE000646 761217 760297 putative 761207 761809 mutative	ORF698	750446	749979	Nods	L39892	Chlamydia psittaci	559	72
753042 751291 aspartyl-tRNA synthetase D90910 754309 753020 histidinetRNA ligase Z17214 755120 756175 hexosephosphate transport protein M89480 756120 756485 hexosephosphate transport protein M89479 756499 760227 DNA polymerase III alpha-subunit (dnaE) AE000646 761217 760297 putative 761207 761809 mutative	ORF699	751219	750446	dim	L39892	Chlamydia psittaci	948	8
754309 753020 histidinetRNA ligase Z17214 755120 756175 hexosephosphate transport protein M89480 756120 756485 hexosephosphate transport protein M89479 756499 760227 DNA polymerase III alpha-subunit (dnaE) AE000646 761217 760297 putative 761307 761809 mutative	ORF700	753042	751291	aspartyl-tRNA synthetase	D90910	Synechocystis sp.	1347	47
755120 756175 hexosephosphate transport protein M89480 756120 756485 hexosephosphate transport protein M89479 756499 760227 DNA polymerase III alpha-subunit (dnaE) AE000646 761217 760297 putative 761207 761809 mutative	ORF701	754309	753020	histidinetRNA ligase	Z17214	Streptococcus equisimilis	757	44
756120 756485 hexosephosphate transport protein M89479 756499 760227 DNA polymerase III alpha-subunit (dnaE) AE000646 761217 760297 putative 761207 761809 mutative	ORF702	755120	756175	hexosephosphate transport protein	M89480	Salmonella typhimurium	870	49
756499 760227 DNA polymerase III alpha-subunit (dnaE) AE000646 761217 760297 putative 761217 761809 mutative	ORF703	756120	756485	hexosephosphate transport protein	M89479	Escherichia coli	321	45
761217 760297	ORF704	756499	760227	DNA polymerase III alpha-subunit (dnaE)	AE000646	Helicobacter pylori	1977	42
76137	ORF705	761217	760297	putative				
/010/	ORF706	761297	761809	putative				

		ò	3	estado	3000
761782	762282	putative			
762260	762895	putative			
762867	763316	hypothetical protein	D90908	Synechocystis sp.	177
763780	763325	putative			
763861	765168	DD-carboxypeptidase	M85047	Bacillus subtilis	292
766809	765697	fmu and fmv protein	D90902	Synechocystis sp.	130
768051	766888	putative			
768566	768321	putative			
769342	768551	putative			
770532	769378	putative			
771451	770804	putative			
773058	771847	3-phosphoglycerate kinase	U83197	Chlamydia trachomatis	1540
773094	773456	putative			
774376	773093	putative phosphate permease	U84890	Mesembryanthemum crystallinum	870
775123	774380	putative			
775398	774916	putative			
775046	776077	sporulation protein	M57689	Bacillus subtilis	869
776070	777041	was dppE	U00039	Escherichia coli	565
777964	777536	orf288; translated orf similarity to SWISS-	Y10436	Coxiella burnetii	256
		PROT: YGI2_PSEPU hypothetical 32.4			
		kDa protein of Pseudomomas putida			
778176	777904	B.subtilis genes rpmH, mpA, 50kd, gidA and gidB	X62539	Bacillus subtilis	112
778621	779334	putative			
781173	780307	f406; This 406 aa orf is 28 pct identical (12	AE000263	Escherichia coli	603
***	<u>-</u>	gaps) to 264 residues of an approx. 440 aa			
		protein YAOA SCHPO SW: O10089			
781526	781116	f406; This 406 as orf is 28 pct identical (12	AE000263	Escherichia coli	258
		gaps) to 264 residues of an approx. 440 aa			
		protein YAOA SCHPO SW: O10089			
782784	781555	f423; This 423 aa orf is 29 pct identical (1	AE000263	Escherichia coli	197
		gaps) to 172 residues of an approx. 488 aa			

400	Dogin	End	Homology	ID	Species	Score	%1
5	mg ar			-			
ODE721	783577	782805	hypothetical chloroplast ORF 16	U38804	Porphyra purpurea	597	22
OR E732	785032	783581	ABC transporter subunit	D64004	Synechocystis sp.	1720	62
ORF733	786412	785360	putative				,
ORF734	788429	786450	dqa	Y14206	Streptomyces coelicolor	148	3
ORF735	788944	788528	penicillin-binding protein 3	X84053	Pseudomonas aeruginosa	148	2
ORF736	789758	788901	putative			0000	3
ORF737	790332	791504	major outer membrane protein	M64064	Chlamydia pneumoniae	2078	25 6
ORF738	791846	792721	ribosomal protein S2	U60196	Chlamydia trachomatis	408	2 ;
ORF739	792724	793569	elongation factor Ts	U60196	Chlamydia trachomatis	1023	= 6
ORF740	793580	794323	UMP kinase	U60196	Chlamydia trachomatis	891	7/6
ORF741	794304	794843	ribosome-releasing factor	U60196	Chlamydia trachomatis	6/3	2
OR F742	795217	795732	unknown	D26185	Bacillus subtilis	105	42
OD E7/13	795722	796795	unknown	D26185	Bacillus subtilis	208	33
OR F744	798735	797053	putative	L33796	Vibrio cholerae	386	34
OB F745	799823	798681	putative				
OR F746	796567	799578	putative				1
ORF747	801313	799808	Pkn5	U40656	Myxococcus xanthus	345	33
ORF748	802453	801332	putative				
ORF749	803299	802457	putative				
ORF750	803811	803290	putative				5,
ORF751	805151	803826	YscN	U02499	Yersinia enterocolitica	1183	53
ORF752	805860	805156	putative			1	
ORF753	806604	806332	putative				
ORF754	806913	809908	putative				
ORF755	808222	806903	putative				
ORF756	808751	808146	putative				
ORF757	809437	808673	putative				
ORF758	809939	809454	putative			5.5	,
ORF759	811235	810213	delta-aminolevulinate synthase (EC	M30785	Escherichia coli	7/1	₽
			2.3.1.37)				1
ORF760	811779	813056	DNA gyrase subunit B	U35453	Clostridium acetobutylicum	584	38
ORF761	812890	812516	putative				5
ORF762	812954	813583	DNA gyrase subunit B	Z19108	Spiroplasma citri	3/1	95

ORF763 ORF764 ORF765 ORF766 ORF766	Y 2	7 1 5	Domology	=	Species	Score	0/1
ORF763 ORF764 ORF765 ORF766	megan.		A 2011010 6.7	Ť			
ORF764 ORF765 ORF766 ORF767	813587	815023	gyrA	X92503	Mycobacterium smegmatis	414	55
ORF765 ORF766 ORF767	815420	815746	putative			3	5
ORF766 ORF767	816036	817010	orf-X; hypothetical protein; Method:	U48870	Bacillus subtilis	569	4
ORF766 ORF767			conceptual translation supplied by author			-	7
ORF767	817111	817356	unknown	Z74024	Mycobacterium tuberculosis	114	7 6
	817791	818609	3-deoxy-d-manno-octulosonic acid 8-	Z50747	Chlamydia psittaci	71117	×
			phosphate synthetase				1
ORF768	818609	819094	protein of unknown function	Z50747	Chlamydia psittaci	545	3
ORF769	819104	819823	ATP binding protein	U72493	Chlamydia trachomatis	1099	8
ORF770	820722	819826	putative				
ORF771	822313	821000	putative				T
ORF772	823503	822238	putative				
ORF773	823678	825612	putative			1	
ORF774	825461	826312	putative				T
ORF775	827280	826645	putative			0.00	15
ORF776	828604	827171	76 kDa protein	L23921	Chlamydia pneumoniae	6/17	3
ORF777	830026	828713	76 kDa protein	L23921	Chlamydia pneumoniae	1162	3
ORF778	831047	830085	mviB homolog	U50732	Chlamydia trachomatis	982	28
OBE770	831725	831051	mviB homolog	U50732	Chlamydia trachomatis	740	8
OPE780	832220	833098	T05H10.2	Z47812	Caenorhabditis elegans	407	34
OR F781	833851	833396	ribosomal protein S4 (rps4)	AE000633	Helicobacter pylori	372	53
ORF782	834068	835039	This ORF is homologous to a 40.0 kd	L22217	Mycoplasma-like organism	377	49
			hypothetical protein in the htrB 3' region				
			from E. coli, Accession Number X61000	1 21702	16.22	136	43
ORF783	835792	835127	uridine kinase	130,00	Mus musculus	200	2
ORF784	837624	836116	ORF f397	U29581	Escherichia coli	7,6	30
ORF785	838951	840882	putative				
ORF786	840869	842185	exodeoxyribonuclease V (recB)	U32811	Haemophilus influenzae	409	9
ORF787	841989	843455	DNA helicase II	U39703	Mycoplasma genitalium	011	46
ORF788	843242	844021	exodeoxyribonuclease V (recB)	U32811	Haemophilus influenzae	196	8
ORF789	845018	843987	MreC protein	M31792	Escherichia coli	9/	53
ORF790	846174	844990	aspartate aminotransferase (aspC)	X03629	Escherichia coli	754	40
OB F701	848509	846311	GreA	U02878	Rickettsia prowazekii	130	35

ORF	Begin	End	Homology	a ·	Species	Score	%I
ORE792	848568	849014	putative			1	ţ
ORF793	849082	850488	NADH:ubiquinone oxidoreducatase subunit	U32702	Haemophilus influenzae	445	'n
ORE794	851512	850574	porphobilinogen synthase	U38348	Chlorobium vibrioforme	69/	45
ORF795	852064	852447	putative				T
ORF796	852398	853690	putative		**************************************	9	Ţ;
ORF797	855118	854243	geranylgeranyl pyrophosphate synthase	D85029	Arabidopsis thaliana	408	4 /
ORF798	855751	855128	f147; This 147 as orf is 26 pct identical (1	AE000143	Escherichia coli	/81	ک و
			gaps) to 99 residues of an approx. 728 aa				
			protein E2BE RABIT SW: P4/823	0700074	Calmonalla tembinerium	173	36.
ORF799	856551	855829	membrane associated regulatory protein	W126306	Samoneura typnimariam	270	2 %
ORF800	856730	858556	unknown function	232530	Chlamydia trachomatis	740	3 5
ORFR01	858717	859601	exodeoxyribonuclease V (recD)	U32811	Haemophilus influenzae	781	
ORF802	859591	860205	exonuclease V alpha subunit (AA 1-608)	X04582	Escherichia coli	235	5
ORERO3	861132	860284	putative				1
ORF804	861426	861163	30S ribosomal protein S20	Z67753	Odontella sinensis	153	4
ORF805	861701	862921	putative				7
ORF806	863026	864798	major sigma factor	U04442	Chlamydia psittaci	1997	*
ORF807	864831	865256	putative			1	Ş
ORF808	865226	866581	dihydropterin pyrophosphokinase	Y08611	Pisum sativum	455	φ γ
			/dihydropteroate synthase		V . 1.1	21.2	Ş
ORF809	866562	867119	dehydrofolate reductase, type I (folA)	U32//2	Haemophilus influenzae	C17	14
ORF810	867025	867816	M. jannaschii predicted coding region	U67522	Methanococcus jannaschii	707	95
			MJ0768				
ORF811	867820	868497	putative	000		1510	2
ORF812	869743	868661	RecA	U16739	Chlamydia trachomatis	7101	9
ORF813	870633	870094	unknown function	Z32530	Chlamydia trachomatis	308	3
ORF814	871929	870646	unknown function	Z32530	Chlamydia trachomatis	1410	3
ORF815	872538	872086	putative			1	T
ORF816	873908	872517	putative				5
ORF817	874281	874670	nifR3-like gene product	Z37984	Azospirillum brasilense	181	25
ORF818	874582	875286	ORF1 gene product	X62399	Escherichia coli	30/	7 5
ORF819	877857	875377	DNA topoisomerase I	L27/9/	Bacıllus subtilis	1400	8

-}}	944 39 456 37																+				
Synechocystis sp.	Synechocystis sp. Bacillus subtilis	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae Escherichia coli	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae Escherichia coli Haemophilus influenzae	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae Escherichia coli Haemophilus influenzae	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae Escherichia coli Haemophilus influenzae	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae Escherichia coli Haemophilus influenzae Escherichia coli Bacillus subtilis	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae Escherichia coli Bacillus subtilis Escherichia coli Bacillus subtilis Paenibacillus macerans	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae Escherichia coli Haemophilus influenzae Escherichia coli Bacillus subtilis Paenibacillus macerans Paenibacillus macerans Paenibacillus macerans	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae Escherichia coli Bacillus subtilis Bacillus subtilis Paenibacillus macerans Paenibacillus macerans	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae Escherichia coli Haemophilus influenzae Escherichia coli Bacillus subtilis Paenibacillus macerans Paenibacillus macerans Paenibacillus macerans Paenibacillus macerans Paenibacillus macerans	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae Escherichia coli Bacillus subtilis Paenibacillus macerans Paenibacillus macerans Paenibacillus macerans Paenibacillus macerans Paenibacillus macerans Paenibacillus macerans	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae Escherichia coli Haemophilus influenzae Escherichia coli Bacillus subtilis Paenibacillus macerans Paenibacillus macerans Paenibacillus macerans Paenibacillus subtilis Paenibacillus subtilis Paenibacillus subtilis Paenibacillus subtilis Paenibacillus subtilis	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae Escherichia coli Haemophilus influenzae Escherichia coli Bacillus subtilis Paenibacillus macerans Paenibacillus macerans Paenibacillus macerans Paenibacillus macerans Synechocystis sp.	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae Escherichia coli Haemophilus influenzae Escherichia coli Bacillus subtilis Paenibacillus macerans Paenibacillus macerans Paenibacillus macerans Paenibacillus macerans Paenibacillus subtilis Paenibacillus subtilis Paenibacillus subtilis Paenibacillus subtilis Paenibacillus subtilis Paenibacillus subtilis	Synechocystis sp. Bacillus subtilis Chlamydia trachomatis Hordeum vulgare Bacillus subtilis Escherichia coli Haemophilus influenzae Escherichia coli Bacillus subtilis Paenibacillus macerans Paenibacillus macerans Paenibacillus macerans Paenibacillus subtilis
_																					
10,00	19/20 residue stretch (32-51) identical to N-terminal putative signal sequence of unknown, partly cloned B. subtilis gene.;	19/20 residue stretch (32-51) identical to N-terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein	19/20 residue stretch (32-51) identical to N- terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative	19/20 residue stretch (32-51) identical to N- terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein	terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein peptidoglycan-associated lipoprotein	terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein peptidoglycan-associated lipoprotein TolB	19/20 residue stretch (32-51) identical to N- terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein peptidoglycan-associated lipoprotein TolB putative	terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein peptidoglycan-associated lipoprotein TolB putative exbD peptide	terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein peptidoglycan-associated lipoprotein TolB putative exbD peptide inner membrane protein (tolQ)	terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein peptidoglycan-associated lipoprotein TolB putative exbD peptide inner membrane protein (tolQ) putative	terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein peptidoglycan-associated lipoprotein TolB putative exbD peptide inner membrane protein (tolQ) putative inner membrane copper tolerance protein inner membrane copper tolerance protein	terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein peptidoglycan-associated lipoprotein TolB putative exbD peptide exbD peptide inner membrane protein (tolQ) putative inner membrane copper tolerance protein unknown	19/20 residue stretch (32-51) identical to N- terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative has I protein bas I protein putative hypothetical protein peptidoglycan-associated lipoprotein TolB putative exbD peptide inner membrane protein (tolQ) putative inner membrane copper tolerance protein unknown succinate dehydrogenase subunit C	terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein peptidoglycan-associated lipoprotein TolB putative exbD peptide inner membrane protein (tolQ) putative inner membrane copper tolerance protein unknown succinate dehydrogenase subunit A succinate dehydrogenase subunit A succinate dehydrogenase subunit B	terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein peptidoglycan-associated lipoprotein putative exbD peptide inner membrane protein (tolQ) putative inner membrane copper tolerance protein unknown succinate dehydrogenase subunit A succinate dehydrogenase subunit B putative	terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein peptidoglycan-associated lipoprotein TolB putative exbD peptide inner membrane protein (tolQ) putative inner membrane copper tolerance protein unknown succinate dehydrogenase subunit A succinate dehydrogenase subunit B putative putative succinate dehydrogenase subunit B putative succinate dehydrogenase subunit B succinate dehydrog	terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein putative exbD peptide putative inner membrane copper tolerance protein unknown succinate dehydrogenase subunit A succinate dehydrogenase subunit B putative putative inner membrane copper tolerance protein unknown succinate dehydrogenase subunit A succinate dehydrogenase subunit B putative putative sigma factor SibG regulation protein RsbU putative	terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein peptidoglycan-associated lipoprotein putative exbD peptide inner membrane protein (tolQ) putative inner membrane copper tolerance protein unknown succinate dehydrogenase subunit A succinate dehydrogenase subunit B putative putative putative succinate dehydrogenase subunit B putative	terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein putative exbD peptidoglycan-associated lipoprotein putative inner membrane copper tolerance protein unknown succinate dehydrogenase subunit C succinate dehydrogenase subunit B putative sigma factor SibG regulation protein RsbU putative sigma factor SibG regulation protein RsbU putative putative sigma factor SibG regulation protein RsbU putative putative	terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative heat shock protein bas1 protein putative hypothetical protein peptidoglycan-associated lipoprotein putative cxbD peptide inner membrane copper tolerance protein unknown succinate dehydrogenase subunit A succinate dehydrogenase subunit A succinate dehydrogenase subunit B putative	19/20 residue stretch (32-51) identical to N- terminal putative signal sequence of unknown, partly cloned B. subtilis gene.; nutative hypothetical protein putative exbD peptide inner membrane copper tolerance protein unknown succinate dehydrogenase subunit A succinate dehydrogenase subunit B putative putative succinate dehydrogenase subunit B putative
884340 88301																					
004																					
88153 heat shock protein L12004 Chlamydia trachomatis 915 888153 bas1 protein Z34917 Hordeum vulgare 474 888220 putative X65796 Escherichia coli 223 88313 peptidoglycan-associated lipoprotein X65796 Escherichia coli 222 88932 TollB U32470 Haemophilus influenzae 280 891247 putative M28819 Escherichia coli 77 892421 inner membrane protein (tolQ) U32722 Haemophilus influenzae 157 895419 inner membrane copper tolerance protein Z36905 Escherichia coli 170 895527 unknown D26185 Bacillus subtilis 381 895527 unknown V08563 Paenibacillus macerans 253 895442 succinate dehydrogenase subunit A Y08563 Paenibacillus macerans 656 900229 putative Paenibacillus macerans 656 900237 putative R03234 Paenibacillus macerans 656	88/138 /r 888123 past protein 2.5491 /r Hordeum vulgare 474 888627 888220 putative 2.33 223 888627 888716 hypothetical protein Y14079 Bacillus subrilis 223 889330 888716 hypothetical protein X65796 Excherichia coli 222 891190 889898 TolB U32470 Haemophilus influenzae 280 891247 putative M28819 Escherichia coli 77 892421 inner membrane protein (tolQ) U32722 Haemophilus influenzae 157 892521 putative U32722 Haemophilus influenzae 157 892521 unknown D26185 Bacillus subtilis 381 895425 succinate dehydrogenase subunit C Y08563 Paenibacillus macerans 150 897565 899442 succinate dehydrogenase subunit B Y08563 Paenibacillus macerans 656 903230 900229 putative Paenibacillus macerans 656 905	889330 888716 hypothetical protein Y14079 Bacillus subtilis 223 88988 889323 peptidoglycan-associated lipoprotein X65796 Escherichia coli 222 891190 889898 TolB 1018 280 891221 891247 putative M28819 Escherichia coli 77 892421 892421 inner membrane protein (tolQ) U32722 Haemophilus influenzae 157 892521 892421 inner membrane copper tolerance protein Z36905 Escherichia coli 157 893392 895419 inner membrane copper tolerance protein Z36905 Escherichia coli 120 895745 896527 unknown D26185 Bacillus subtilis 381 895668 897558 succinate dehydrogenase subunit A Y08563 Paenibacillus macerans 1667 899420 900229 succinate dehydrogenase subunit B Y08563 Paenibacillus macerans 656 903230 900237 putative P08583 Paenibacillus macerans 656 <	889898 889323 peptidoglycan-associated lipoprotein X65796 Escherichia coli 222 891190 889898 TolB 103470 Haemophilus influenzae 280 891828 891247 putative M2819 Escherichia coli 77 892421 sexbD peptide M28819 Escherichia coli 157 892421 inner membrane protein (tolQ) U32722 Haemophilus influenzae 157 892521 892421 inner membrane copper tolerance protein Z36905 Escherichia coli 120 893392 895419 inner membrane copper tolerance protein Z36905 Escherichia coli 120 895745 896527 unknown Y08563 Pacillus subtilis 381 896668 89758 succinate dehydrogenase subunit A Y08563 Paenibacillus macerans 1667 897420 900229 putative putative Paenibacillus macerans 656	891190 889898 TolB U32470 Haemophilus influenzae 280 891828 891247 putative M2819 Escherichia coli 77 892421 892421 inner membrane protein (tolQ) U32722 Haemophilus influenzae 157 893116 892421 inner membrane protein (tolQ) U32722 Haemophilus influenzae 157 893392 895419 inner membrane copper tolerance protein Z36905 Escherichia coli 120 895745 896527 unknown D26185 Bacillus subtilis 381 895468 89755 succinate dehydrogenase subunit A Y08563 Paenibacillus macerans 1667 899420 900229 succinate dehydrogenase subunit B Y08563 Paenibacillus macerans 656 903230 900237 putative putative 605081 90234 putative	891828 89124/1 putative 892421 892017 exbD peptide M28819 Escherichia coli 77 893116 892421 inner membrane protein (tolQ) U32722 Haemophilus influenzae 157 892521 892421 putative 236905 Escherichia coli 120 893745 895527 unknown D26185 Bacillus subtilis 381 896668 897558 succinate dehydrogenase subunit C Y08563 Paenibacillus macerans 1667 897420 900229 succinate dehydrogenase subunit B Y08563 Paenibacillus macerans 656 903230 900237 putative putative putative	892421 892017 exbD peptide M28819 Escherichia coli 77 892421 inner membrane protein (tolQ) U32722 Haemophilus influenzae 157 892521 892429 putative 236905 Escherichia coli 120 893392 895419 inner membrane copper tolerance protein 236905 Escherichia coli 120 895745 896527 unknown D26185 Bacillus subtilis 381 896668 897565 succinate dehydrogenase subunit A Y08563 Paenibacillus macerans 1667 89420 900229 succinate dehydrogenase subunit B Y08563 Paenibacillus macerans 656 903230 900237 putative 905034 putative 1667	89316 892421 inner membrane protein (tolQ) U32722 Haemophilus influenzae 157 892521 892925 putative 236905 Escherichia coli 120 893392 895419 inner membrane copper tolerance protein 236905 Escherichia coli 120 895745 896527 unknown D26185 Bacillus subtilis 381 896668 897565 899442 succinate dehydrogenase subunit A Y08563 Paenibacillus macerans 1667 899420 900229 succinate dehydrogenase subunit B Y08563 Paenibacillus macerans 656 903230 900237 putative 656 90534 putative 656	892521 892925 putative 120 893392 895419 inner membrane copper tolerance protein Z36905 Escherichia coli 120 895745 896527 unknown D26185 Bacillus subtilis 381 896668 897558 succinate dehydrogenase subunit A Y08563 Paenibacillus macerans 1667 899420 900229 succinate dehydrogenase subunit B Y08563 Paenibacillus macerans 656 903230 900237 putative putative putative putative	893392 895419 inner membrane copper tolerance protein Z36905 Escherichia coli 120 895745 896527 unknown D26185 Bacillus subtilis 381 896668 897565 succinate dehydrogenase subunit A Y08563 Paenibacillus macerans 253 897265 succinate dehydrogenase subunit B Y08563 Paenibacillus macerans 1667 903230 900237 putative 656 905081 903234 putative	895/45 89658 89758 succinate dehydrogenase subunit C Y08563 Paenibacillus macerans 253 897565 899442 succinate dehydrogenase subunit A Y08563 Paenibacillus macerans 1667 899420 900229 succinate dehydrogenase subunit B Y08563 Paenibacillus macerans 656 903230 900237 putative 656 656 905081 903234 putative 103234 10450	897565 89442 succinate dehydrogenase subunit C Y08563 Paenibacillus macerans 253 897265 89942 succinate dehydrogenase subunit A Y08563 Paenibacillus macerans 1667 903230 900237 putative 656 905081 903234 putative putative	89/205 899442 succinate dehydrogenase subunit A Y08563 Paenibacillus macerans 1667 903230 900237 putative 656 905081 903234 putative	903230 900237 putative 905081 903234 putative	905081 903234			907248 907832 putative	907248 907832 putative 907784 908128 putative	907248 907832 putative 907784 908128 putative 908132 908677 putative	907248 907832 putative 907784 908128 putative 908132 908677 putative 908589 909320 putative	907248 907832 putative 907784 908128 putative 908132 908677 putative 908589 909320 putative 909405 911465 putative

ORF	Begin	End	Homology	e ·	Species	Score	% <u></u>
ORF850	912303	912821	putative				
ORF851	912937	913983	putative				T
ORF852	915128	914067	putative			760,	5
ORF853	916658	915303	enolase	L29475	Bacillus subtitis	1030	3
ORF854	915627	915376	enolase	U43738	Mycoplasma pneumoniae	977	3
ORFRSS	917707	916853	excinuclease ABC subunit B (uvrB)	U32804	Haemophilus influenzae	47/	9
ORF856	918837	917722	excinuclease ABC subunit B (uvrB)	U32804	Haemophilus influenzae	1029	7 5
ORF857	919868	918837	tryptophanyl-tRNA synthetase (trpS)	U32746	Haemophilus influenzae	3/0	₽
ORF858	920434	919880	putative			7.7.	5
ORF859	921187	920438	ORF8	X82078	Chlamydia sp.	104	3
ORF860	921959	921195	hypothetical protein	X62475	Chlamydia psittaci	110	#];
ORF861	923773	921995	Threonyl tRNA Synthetase	Z80360	Bacillus subtitis	14/0	#
ORF862	922146	922415	putative				
ORF863	923943	923674	putative				
ORF864	924077	925006	putative				
ORF865	925436	925083	putative				
ORF866	926524	925349	putative				
ORF867	927920	926433	putative				
ORF868	928319	927951	putative				
ORF869	928963	928334	putative		5	202	9
ORF870	929248	930987	DNA mismatch repair protein (mutL)	U32692	Haemophilus influenzae	383	200
ORF871	930995	932059	YqhT	D84432	Bacillus subinis	C##	2
ORF872	932121	933515	putative				
ORF873	932881	932513	putative			010	"
ORF874	933485	935746	pulD (ttg start codon)	M32613	Klebstella pneumoniae	017	3
ORF875	935724	937082	epsE	M96172	Vibrio cholerae	068	2 3
ORF876	937229	938410	PilG	U32588	Neisseria gonorrhoeae	780	38
ORF877	938281	938805	putative				
ORF878	938809	939255	putative				
ORF879	939165	939782	putative			-	
ORF880	939760	940791	putative				
ORF881	940822	941106	putative				
ORF882	940977	941351	putative				

ORF	Begin	End	Homology	a	Species	Score	1 %
2000	70000	207170	E	1//10			
OKF883	942537	941623	yscl	L25667	Yersinia pseudotuberculosis	169	4
ORF884	942784	942500	yscS	L25667	Yersinia pseudotuberculosis	173	42
ORF885	943149	942799	HrcR	AE000107	Rhizobium sp. NGR234	265	52
ORF886	943799	943029	pathogenicity protein	M64094	Xanthomonas campestris	252	4
ORF887	944055	943732	putative	M74011	Yersinia enterocolitica	112	33
ORF888	944413	943994	putative				
ORF889	945395	944556	putative				
ORF890	945853	945389	putative				
ORF891	946392	945751	HrcJ	US6662	Erwinia amylovora	229	44
ORF892	. 947410	948081	putative				
ORF893	949871	948915	ORF YOR196c	Z75104	Saccharomyces cerevisiae	702	4
ORF894	951058	949868	dihydrolipoamide dehydrogenase E3	M57435	Bacillus subtilis	745	39
ORF895	951249	950959	dihydrolipoamide acetyltransferase E3	M73535	Staphylococcus aureus	166	49
			subunit				
ORF896	951664	952134	putative				
ORF897	952674	952165	SNF	X98455	Bacillus cereus	229	47
ORF898	953491	952589	helicase	N39680	Mycoplasma genitalium	307	42
ORF899	955324	953495	F01G4.1	Z68341	Caenorhabditis elegans	133	57
ORF900	955823	955281	putative		and the second s		
ORF901	957082	955847	branched-chain amino acid carrier	Z48676	Lactobacillus delbrueckii	297	8
ORF902	957902	957270	endonuclease III	U11289	Bacillus subtilis	317	37
ORF903	959231	957906	homologous to E.coli 50K	X62539	Bacillus subtilis	805	45
ORF904	959376	960284	phosphatidylserine decarboxylase	U72715	Chlamydia trachomatis	776	51
ORF905	960266	961669	putative				
ORF906	961856	964765	secretory component	U06928	Caulobacter crescentus	1812	55
ORF907	966855	965395	28.2% of identity to the Escherichia coli	L47648	Bacillus subtilis	778	41
ORF908	968204	966975	polv(A) polymerase	1,47709	Bacillus subtilis	383	41
ORF909	968791	968237	ClpX-like protein	U18229	Bacillus subtilis	340	39
ORF910	969498	968731	ATP-dependent protease ATPase subunit	D64006	Synechocystis sp.	846	99
ORF911	969858	969511	ClpP	U16135	Synechococcus sp.	257	54

ORF	Begin	End	Homology	1			
ORF912	970118	969762	ATP-dependent clp protease proteolytic component (clpP)	AE000591	Helicobacter pylori	362	63
ORF913	970593	970300	putative				
ORF914	971261	970542	putative			T	
ORF915	971680	971123	putative			07.5	9
ORF916	971876	975100	SNF	X98455	Bacillus cereus	0//	3 5
ORF917	975419	976516	MreB protein	M96343	Bacillus subtilis	1667	3/2
OR F918	976584	978320	phospho enol pyruvate carboxykinase	S56812	Chlorobium limicola	7001	5
ORF919	089226	977231	putative				
ORF920	978399	980738	putative				•
ORF921	980756	981928	putative			7.0	5
ORF922	982974	981931	precursor protein (AA -22 to 371)	X52557	Chlamydia Irachomaiis	210	श्र
ORF923	984120	983119	NAD+ dependent glycerol-3-phosphate	L47648	Bacillus subtilis	810	5
			dehydrogenase	077400	Homo canione	254	4
ORF924	985502	984120	AgX-1 antigen [human, intertile patient,	0/34%0	nomo supiens		
ODE025	987180	985882	ORF 4	M72718	Bacillus subtilis	697	38
OPEOSE	007177	987444	nutative				
OR F077	989846	989049	nifU-like protein	AE000542	Helicobacter pylori	302	3
OR F078	991048	989846	putative				1
OD 5070	901638	990955	phosphoglyceromutase	L09651	Zymomonas mobilis	4/1	2
OP 5020	991794	992498	ORFX13	L09228	Bacillus subtilis	403	श्री
OD E021	003610	993041	biotin facetyl-CoA-carboxylase] ligase	L47709	Bacillus subtilis	136	2
OBE022	003530	994792	rod-shape-determining protein	M22857	Escherichia coli	312	4
OP F033	995970	994795	cadmium-transporting ATPase	D64005	Synechocystis sp.	358	4 8
OP F034	996857	995739	ATPase	L28104	Transposon Tn5422	449	2
OB 5035	997603	996782	putative				19
OPF036	696866	997572	seryl-tma synthetase	Y09924	Staphylococcus aureus	152	4
OB E037	908800	100003	orf?, homologue to B.subtilis ribG	X64395	Escherichia coli	596	₽
OD 5020	1000087	1001340	GTP cyclohydrolase II	D90912	Synechocystis sp.	1078	22
OR 5030	1001357	1001818	riboflavin synthase beta subunit	U27202	Actinobacillus pleuropneumoniae	278	38
OR F940	1003288	1001873	putative				
Op E041	1002487	1004146	putative				

ORF	Begin	End	Homology	OI.	Species	Score	%1
ORF947	1004485	1005639	D-alanine glycine permease (dagA)	AE000603	Helicobacter pylori	394	33
ORF943	1005643	1005972	hypothetical protein MTCY180.08	Z97193	Mycobacterium tuberculosis	274	58
ORF944	1006784	1006116	similar to trithorax protein in final three	U13875	Caenorhabditis elegans	155	46
			exons		13. 7 4.	70,	ç
ORF945	1007563	1006769	yyeJ	D78193	Bacillus subtilis	406	× :
ORF946	1009226	1007568	YpT	AF008220	Bacillus subtilis	992	47
ORF947	1009989	1009336	putative				
ORF948	1015852	1016337	putative				
ORF949	1016561	1016181	putative				
ORF950	1016297	1017532	putative				•
ORF951	1016802	1016452	putative				
ORF952	1018993	1017701	phenolhydroxylase component	U32702	Haemophilus influenzae	606	47
ORF953	1019454	1019137	ORF	M63939	Escherichia coli	96	45
ORF954	1020764	1019562	pCTHom1 gene product	M94254	Chlamydia trachomatis	1185	છ
ORF955	1021405	1021037	histone H1-like protein	M80324	Chlamydia psittaci	319	62
ORF956	1021821	1024286	phosphoprotein	L25078	Chlamydia trachomatis	739	4
ORF957	1024697	1024248	putative				
ORF958	1025569	1024508	protoporphyrinogen oxidase	U25114	Mus musculus	98	38
ORF959	1026969	1025590	oxygen independent coprophorphyrinogen	D90912	Synechocystis sp.	880	42
OBE960	1027789	1026947	uronorphyrinogen decarboxylase	M97208	Bacillus subtilis	372	38
ORF961	1031199	1027945	transcription-repair coupling factor (trcF)	U32805	Haemophilus influenzae	1584	42
ORFIGE	1031717	1031172	alanvi-tRNA synthetase	X95571	Thiobacillus ferrooxidans	92	31
ORF963	1033057	1031612	alanyl-tRNA synthetase	AE000353	Escherichia coli	688	40
ORF964	1033425	1033039	alanyl-tRNA synthetase (alaS)	AE000629	Helicobacter pylori	327	51
ORF965	1033784	1033200	alanyl-tRNA synthetase	35665X	Rhizobium leguminosarum	416	47
ORF966	1033963	1036038	transketolase	Z73234	Bacillus subtilis	1398	44
ORF967	1036945	1036010	AMP nucleosidase	AE000290	Escherichia coli	265	42
ORF968	1037110	1037679	elongation factor P	U14003	Escherichia coli	458	51
ORF969	1037696	1037944	putative				•
ORF970	1038916	1037975	putative				
ORF971	1040582	1039026	HSP60 chaperonin	X62914	Clostridium perfringens	284	31

Homology
PROBABLE UDP-N- ACETYLMURAMOYLALANYL-D- GLUTAMYL-2, 6-DIAMINOLIGASE (EC
0.2.2.121. ORE.V (AA 1.360)
UDP-N-acetylmuramoylalanine-D-
glutamate ligase (muru)
snoVF gene product (AA 1-366)
mir
UDP-N-acetylmuramate-alanine ligase
murc)
cycY gene product
putative
hypothetical protein
trna delta(2)-isopentenylpyrophosphate
transferase
conserved hypometical protein
putative
YqeL
beta-ketoacyl-ACP synthase
diadenosine tetraphosphatase
inorganic pyrophosphatase (ppa)
leucine dehydrogenase LeuDH
3'(2'),5'-bisphosphate nucleotidase
putative
2-acylglycerophosphoethanolamine acyl
7-keto-8-aminopelargonic acid synthetase
(bioF)
priA

%I *			41	36	37	\dashv	\dashv	52	56		46	+	\dashv	38		44	48	39	40	37			48	\prod	55	40	37	53			. 79.		
Score			777	381	254		1007	395	431				260	118		687	735	565	303	222		_	2569		163	574	98	378	179	324	190	_	
Species			Chlamydia psittaci	Chlamydia psittaci	Chlamydia psittaci		Synechocystis sp.	Bacillus subtilis	Haemophilus influenzae		Escherichia coli		Escherichia coli	Caenorhabditis elegans		Bacillus subtilis	Aquifex pyrophilus	Synechocystis sp.	Haemophilus influenzae	Mycobacterium tuberculosis			Chlamydia trachomatis		Bacillus subtilis	Synechocystis sp.	Bacillus subtilis	Chlamydia trachomatis	Helicobacter pylori	Chlamydia trachomatis	Chlamydia trachomatis		
a			U41759	U41759	U41759		D90906	L14580	U32693		M11056		U18997	Z75536		J03294	U71154	D90909	U32735	098E8Z			U20547		U87792	D90899	X16518	U31570	AE000630	M62820	M62820		
Homology	putative	putative	unknown ·	unknown	unknown	putative	lysyl-tRNA synthetase	cysteinyl-tRNA synthetase	cys-tRNA synthetase (cysS)	putative	ribonuclease P protein component (gtg start	codon)	30S ribosomal subunit protein S14	F18C12.2	putative	deoxyribodipyrimidine photolyase	DNA mismatch repair protein	DNA mismatch repair protein	DNA primase (dnaG)	DnaG	putative	putative	glycyl-tRNA synthetase	putative	phosphatidylglycerophosphate synthase	glycogen (starch) synthase	partial ctc gene product (AA 1-186)	peptidyl-tRNA hydrolase	ribosomal protein S6 (rps6)	ribosomal protein \$18 homolog; putative	putative heat shock protein ORF; putative	putative	putative
End	1067376	1068706	1068819	1070033	1071332	1073476	1075864	1075867	1076573	1078724	1078672		1079944	1079995	1081341	1081350	1083235	1084632	1086737	1087897	1089005	5086801	1089890	1092889	1094204	1094192	1096628	1097082	1097601	1097867	1098392	1099279	1101053
Begin	1068065	1068209	1069958	1071163	1072438	1072997	1074239	1076790	1077268	1077999	1079088		1079642	1080501	1080775	1083158	1084677	1085648	1086117	1086692	1088646	1089146	1092931	1093179	1093584	1095619	1096074	1096633	1097266	1097622	1097886	1099521	1099689
ORF	ORF997	ORF998	ORF999	ORF1000	ORF1001	ORF1002	ORF1003	ORF1004	ORF1005	ORF1006	ORF1007		ORF1008	ORF1009	ORF1010	ORF1011	ORF1012	ORF1013	ORF1014	ORF1015	ORF1016	ORF1017	ORF1018	ORF1019	ORF1020	ORF1021	ORF1022	ORF1023	ORF1024	ORF1025	ORF1026	ORF1027	ORF1028

	574 43	855 38	+	+										203 352 352 880 880 396 494 494	202 352 352 880 880 396 494 494 374	202 352 352 880 880 396 494 494 281	203 352 352 880 880 396 494 494 494 494	202 352 352 880 880 396 494 494 497 784	203 352 352 880 880 396 396 494 494 497 784 978	202 352 352 880 396 396 494 494 497 784 978	202 352 352 880 880 396 494 494 497 784 978	202 352 352 396 396 494 494 497 784 978	202 352 352 880 396 396 494 497 784 784 978	202 352 352 880 880 396 494 494 497 784 978	202 352 352 880 396 396 396 396 494 494 497 784 978	203 352 352 880 880 396 396 374 494 494 497 784 978 497 497	202 352 352 880 396 396 396 494 494 978 497 497 445
sanado	Cucumis sativus	Escherichia coli		-	Helicobacter pylori		Chlamydia psittaci	Chlamydia psittaci																			
	M80571 Cucu		\dashv	-		1	+																				
	M80571	U18997		U59433	AE000540		U72499	U72499	U72499 U32786	U32786 AE000123	U32786 U32786 AE00012 L12968	U32786 AE000123 L12968 AE000651															
(9)	putative glycerol-3-phosphate acyltransferase	ORF f495; orfF-of ECMRED, uses 2nd start	putative	PlsX	fatty acid/phospholipid synthesis protein	(plsX)	(plsX) putative 98 kDa outer membrane protein	(plsX) putative 98 kDa outer membrane protein putative	(plsX) putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB)	(plsX) putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase	(plsX) putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase putative	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase putative glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS)	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase putative glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine-fructose-6-phosphate aminotransferase (isomerizing) (glmS)	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase putative glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine-fructose-6-phosphate aminotransferase L-glutamine:D-fructose-6-P	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase putative glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine-fructose-6-phosphate aminotransferase L-glutamine:D-fructose-6-P amidotransferase amidotransferase amidotransferase amidotransferase amidotransferase precursor	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase putative glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine-fructose-6-phosphate aminotransferase L-glutamine:D-fructose-6-P amidotransferase precursor tyrosine-specific transport protein	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase putative glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine-fructose-6-phosphate aminotransferase L-glutamine:D-fructose-6-P amidotransferase precursor tyrosine-specific transport protein putative	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase putative glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine-fructose-6-phosphate aminotransferase L-glutamine:D-fructose-6-P amidotransferase precursor tyrosine-specific transport protein tyrosine-specific transport protein putative cell division protein (ftsY) succinyl-CoA synthetase beta-subunit	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase putative glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine-fructose-6-phosphate aminotransferase L-glutamine:D-fructose-6-P amidotransferase precursor tyrosine-specific transport protein tyrosine-specific transport protein putative cell division protein (ftsY) succinyl-CoA synthetase beta-subunit succinyl coenzyme A synthetase alpha	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine-fructose-6-phosphate aminotransferase L-glutamine:D-fructose-6-P amidotransferase precursor tyrosine-specific transport protein putative cell division protein (ftsY) succinyl-CoA synthetase beta-subunit succinyl-coenzyme A synthetase alpha subunit	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine-fructose-6-P amidotransferase precursor tyrosine-specific transport protein putative cell division protein (ftsY) succinyl coenzyme A synthetase alpha subunit putative	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine-fructose-6-phosphate aminotransferase L-glutamine:D-fructose-6-P amidotransferase precursor tyrosine-specific transport protein putative cell division protein (ftsY) succinyl-CoA synthetase beta-subunit succinyl coenzyme A synthetase alpha subunit putative	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase putative glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine-fructose-6-phosphate aminotransferase L-glutamine:D-fructose-6-P amidotransferase precursor tyrosine-specific transport protein putative cell division protein (ftsY) succinyl-CoA synthetase beta-subunit succinyl-CoA synthetase beta-subunit putative putative putative	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase putative glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine-fructose-6-phosphate aminotransferase L-glutamine:D-fructose-6-P amidotransferase precursor tyrosine-specific transport protein putative cell division protein (ftsY) succinyl-CoA synthetase beta-subunit succinyl-CoA synthetase beta-subunit putative putative putative putative putative serine protease HtrA	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase putative glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine- fructose-6-phosphate aminotransferase L-glutamine:D-fructose-6-P amidotransferase precursor tyrosine-specific transport protein putative cell division protein (ftsY) succinyl-CoA synthetase beta-subunit succinyl-CoA synthetase beta-subunit putative putative putative putative putative putative cserine protease HtrA GsrA protein	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine- fructose-6-phosphate aminotransferase L-glutamine:D-fructose-6-P amidotransferase precursor tyrosine-specific transport protein putative cell division protein (ftsY) succinyl coenzyme A synthetase alpha subunit putative putative putative serine protease HtrA GsrA protein putative	putative 98 kDa outer membrane protein putative lipid A disaccharide synthetase (lpxB) poly(A) polymerase putative glucosamine fructose-6-phosphate aminotransferase (isomerizing) (glmS) glutamine amidotransferase; glucosamine- fructose-6-phosphate aminotransferase L-glutamine:D-fructose-6-P amidotransferase precursor tyrosine-specific transport protein putative cell division protein (ftsY) succinyl-CoA synthetase beta-subunit succinyl-CoA synthetase beta-subunit putative putative putative grand protein putative serine protease HtrA GsrA protein putative R11H6.1
	1101107 putativ		1107249 putativ	1108101 PlsX	1108421 fatty ac	(Xsld)	(plsX) (plsX) (1113370 putativ																				
	1102192 11		1106722 11	1107463 11			1108520 11				+++++																
		ORF1031 1	ORF1032 1				ORF1035 1	-																			

_		monogy	a .	Salade	Score
	1140112	hypothetical 54.7 kD protein in udp 3'	AE000459	Escherichia coli	222
		region precursor (0475)			
-	1141356	phosphatidylserine synthase (pssA)	AE000614	Helicobacter pylori	307
-	1145660	ribonucleotide reductase subunit M1	K02927	Mus musculus	1433
	1146721	ribonucleoside diphosphate reductase, beta	AE000553	Helicobacter pylori	443
	1147545	Subulit (In up)	795398	Mycobacterium leprae	161
	1148190	VfgR	AF008220	Bacillus subtilis	262
	1148224	ORF2	U01958	Bacillus licheniformis	135
	1148348	ORF2	M31827	Bacillus subtilis	268
	1149166	putative			
	1150591	unknown	Z85982	Mycobacterium tuberculosis	445
	1151147	ribosomal protein L20 (AA 1-119)	X16188	Bacillus stearothermophilus	273
	1152181	phenylalany-tRNA synthetase beta subunit	Z75208	Bacillus subtilis	777
	1154591	putative			
	1154566	putative			
	1155670	putative			
	1157815	hypothetical	U32723	Haemophilus influenzae	252
. 1	1160735	ATP-binding protein	U01376	Escherichia coli	1314
	1160917	polynucleotide phosphorylase	AF010578	Pisum sativum	1416
	1162590	polyribonucleotide phophorylase	U52048	Spinacia oleracea	312
	1164020	orf150 gene product	X95938	Porphyromonas gingivalis	335
	1164294	putative			
	1165030	putative			
	1165566	putative			
	1166141	putative			
	1168374	putative			
	1168337	methionine aminopeptidase	D64003	Synechocystis sp.	488
	1169218	ORF 0197	U18997	Escherichia coli	281
	1170572	putative			
	1171177	hypothetical	U32720	Haemophilus influenzae	162
1	1173773	fumarase	D64000	Synechocystis sp.	1292
	1173881	prs-associated putative membrane protein	U02424	Escherichia coli	570

ORF	Begin	End	Homology	a -	Species	Score	%I
ORF1087	1175555	1175127	hypothetical protein in pth-prs intergenic	AE000219	Escherichia coli	278	46
ORF1088	1175778	1177043	hypothetical protein	Z96072	Mycobacterium tuberculosis	109	43
ORF1089	1177177	1179048	putative				
ORF1090	1179156	1180085	penicillin tolerance protein (lytB)	U32781	Haemophilus influenzae	731	22
ORF1091	1180045	1180779	putative				
ORF1092	1181942	1180788	putative				
ORF1093	1182296	1181961	putative				
ORF1094	1183844	1182300	putative				
ORF1095 .	1184420	1183848	putative				
ORF1096	1185382	1184366	putative				
ORF1097	1185858	1185226	putative				T
ORF1098	1186164	1186481	putative				T
ORF1099	1187386	1186484	site-specific recombinase	U92524	Salmonella typhimurium	401	48
ORF1100	1187370	1189028	phophoglucoisomerase-like protein	L40822	Chlamydia trachomatis	1154	63
ORF1101	1189321	1190889	putative				
ORF1102	1191142	1192146	NADP-malate dehydrogenase	L40958	Flaveria bidentis	775	46
ORF1103	1191974	1191729	putative				
ORF1104	1193815	1192991	putative				
ORF1105	1195702	1194248	o460; This 460 aa orf is 46 pct identical (26	AE000256	Escherichia coli	1022	44
			gaps) to 458 residues of an approx. 488 as				
ORF1106	1196303	1195716	putative				
ORF1107	1196831	1196337	putative				
ORF1108	1197807	1196746	putative				T
ORF1109	1198740	1197883	putative				
ORF1110	1200232	1198721	shikimate 5-dehydrogenase	U67551	Methanococcus jannaschii	245	37
ORF1111	1201286	1200135	3-dehydroquinate synthase (aroB)	U32705	Haemophilus influenzae	478	45
ORF1112	1202386	1201259	2,3-dihydroxybenzoic acid	L29562	Vibrio anguillarum	780	20
ORF1113	1202901	1202350	putative				
ORF1114	1204162	1202816	5-enolpyruvylshikimate 3-phosphate	N67500	Methanococcus jannaschii	520	40
			synthase				T
ORF1115	1203177	1203464	putative				

ORF	Begin	End	Homology	a .	Species	Score	%I
ORF1116	1205028	1204180	putative				
ORF1117	1206392	1204878	bioA gene product	A02587	unidentified	834	84
ORF1118	1206742	1206086	dethiobiotin synthase (bioD)	U32830	Haemophilus influenzae	243	37
ORF1119	1207872	1206724	L-alanine - pimelyl CoA ligase	U51868	Bacillus subtilis	109	41
ORF1120	1208852	1207851	biotin sythase	U24147	Arabidopsis thaliana	892	52
ORF1121	1210518	1209742	tryptophan hydroxylase	U26428	Gallus gallus	237	34
ORF1122	1210703	1211494	dihydrodipicolinate reductase	U47017	Pseudomonas syringae pv. tabaci	345	37
ORF1123	1211870	1212754	aspartate-semialdehyde dehydrogenase	U67476	Methanococcus jannaschii	444	43
ORF1124	1212742	1214064	aspartokinase III	00000A	Escherichia coli	473	47
ORF1125	1214046	1214858	dihydrodipicolinate synthase	D64006	Synechocystis sp.	238	9
ORF1126	1215551	1216318	putative				
ORF1127	1216493	1216849	putative				
ORF1128	1217183	1219612	putative				
ORF1129	1220068	1219673	putative				
ORF1130	1219710	1220669	putative				
ORF1131	1220630	1221376	putative				
ORF1132	1221645	1223681	unknown	D26185	Bacillus subtilis	621	43
ORF1133	1223894	1224988	putative				
ORF1134	1225000	1225830	high level kasgamycin resistance	D26185	Bacillus subtilis	422	41
ORF1135	1227810	1225879	hypothetical protein	D90903	Synechocystis sp.	1129	43
ORF1136	1226528	1226908	putative				
ORF1137	1229972	1228311	exonuclease VII, large subunit (xseA)	U32723	Haemophilus influenzae	999	46
ORF1138	47569	47018	Integrase/recombinase	AE001308	Chlamydia trachomatis	716	72
ORF1139	49980	49117	putative				Γ
ORF1140	53356	52898	putative				
ORF1141	54477	54884	O-Sialoglycoprotein Endopeptidase	AE001307	Chlamydia trachomatis	311	51
ORF1142	63753	63998	PTS PEP Phosphotransferase	AE001306	Chlamydia trachomatis	198	150
ORF1143	77164	77487	putative				
ORF1144	79724	79302	Sms Protein	AE001302	Chlamydia trachomatis	458	57
ORF1145	88721	88951	putative				
ORF1146	94067	94429	putative				Ė
ORF1147	122832	123341	hypothetical protein	AE001303	Chlamydia trachomatis	398	19
ORF1148	147536	147234	putative				

Score 1%	467 78		+	+	533 48	\dashv	\dashv	856 96					270 63		\dashv	\dashv	\dashv	80 80	\dashv	556 52				+	+	\dashv	256 52				388 48	1	-
Š	4			2	2		2	∞					2.			3	∞	6		5					5	2.	2				3		_
Species	Chlamydia trachomatis			Chlamydia trachomatis	Chlamydia trachomatis		Chlamydia trachomatis	Chlamydia pneumoniae					Borrelia burgdorferi			Chlamydia trachomatis	Chlamydia trachomatis	Chlamydia trachomatis		Chlamydia trachomatis					Chlamydia trachomatis	Chlamydia trachomatis	Chlamydia trachomatis				Chlamydia trachomatis		
A -	AE001277			AE001278	AE001278		AE001288	X80061					U13372		,	AE001287	AE001293	AE001294		AE001287					AE001291	AE001291	AE001291				AE001286		_
Homology	S16 Ribosomal Protein	putative	putative	Cationic Amino Acid Transporter	Cationic Amino Acid Transporter	putative	S/T Protein Kinase	KDO-transferase	putative	putative	putative	putative	IMP dehydrogenase	putative	putative	(Methylase)	Oligopeptide Permease	Dicarboxylate Translocator	putative	hypothetical protein	putative	putative	putative	putative	Disulfide bond Oxidoreductase	hypothetical protein	hypothetical protein	putative	putative	putative	adenylate cyclase	putative	
End	159346	168979	169452	171504	171775	194045	196075	210145	210708	215088	218246	218701	223525	223999	228407	235334	253021	258912	261567	268878	268881	271538	272346	274550	275314	276927	277861	287909	289789	291225	291860	311622	
Begin	158990	168470	169183	171785	172518	193599	195704	210687	211100	215420	217914	218925	223785	224271	228691	235050	252308	258280	261325	268195	269447	271263	271957	274176	275736	276490	277577	288163	290130	290989	291372	311239	
ORF	ORF1149	ORF1150	ORF1151	ORF1152	ORF1153	ORF1154	ORF1155	ORF1156	ORF1157	ORF1158	ORF1159	ORF1160	ORF1161	ORF1162	ORF1163	ORF1164	ORF1165	ORF1166	ORF1167	ORF1168	ORF1169	ORF1170	ORF1171	ORF1172	ORF1173	ORF1174	ORF1175	ORF1176	ORF1177	ORF1178	ORF1179	ORF1180	

ORF1182 337348 ORF1183 364764 ORF1184 389623 ORF1185 393729 ORF1186 407379 ORF1189 428172 ORF1190 436761 ORF1192 477597 ORF1193 487303 ORF1194 487303 ORF1195 487303	338289		_			
		sodium-dependent transporter	AF017105	Chlamydia neittaci	1112	5
		Prolipoprotein Diacylglycerol Transferase	AE001298	Chlamvdia trachomatis	300	54
	523 390135	hypothetical protein	AE001282	Chlamydia trachomatis	75	33
	729 394343	ABC superfamily ATPase	AE001282	Chlamydia trachomatis	473	5
	179 407621	putative				7
	410708	putative				
	532 427988	putative				
	72 428486	putative				
	161 437246	hypothetical protein	AE001279	Chlamydia trachomatis	199	18
	111 461159	putative			100	5
	97 477313	hypothetical protein	AE001300	Chlamydia trachomatis	300	09
		putative				3
-		Glycine Cleavage System H Protein	AE001300	Chlamydia trachomatis	221	29
		hypothetical protein	AE001275	Chlamydia trachomatis	206	32
		putative				
-		putative				
1		putative				
\dashv		hypothetical protein	AE001312	Chlamydia trachomatis	256	3
		(Metalloenzyme)	AE001316	Chlamydia trachomatis	314	19
+		putative				;
ORF1202 614039	39 614755	hypothetical protein	AE001317	Chlamydia trachomatis	475	46
-		putative				
\dashv		ABC Transporter ATPase	AE001315	Chlamydia trachomatis	614	19
\dashv		(Metal Transport Protein)	AE001315	Chlamydia trachomatis	265	8
	-	(Metal Transport Protein)	AE001315	Chlamydia trachomatis	789	69
		hypothetical protein	AE001317	Chlamydia trachomatis	139	38
		phosphohydrolase	AE001320	Chlamydia trachomatis	995	3 3
		hypothetical protein	AE001320	Chlamydia trachomatis	366	43
		methyltransferase	AE001321	Chlamydia trachomatis	369	49
		Glucose-1-P Adenyltransferase	AE001322	Chlamydia trachomatis	507	83
\dashv		putative				
+		Glycerol-3-P Phosphatidyltransferase	AE001323	Chlamydia trachomatis	573	98
ORF1214 737828	28 737565	S19 Ribosomal Protein	AE001323	Chlamydia trachomatis	439	8

ORF	Begin	End	Homology	Œ	Species	Score	<u>~</u>
ODE1215	779502	780257	hypothetical protein	AE001322	Chlamydia trachomatis	476	48
ORF1216	806310	805864	hypothetical protein	AE001337	Chlamydia trachomatis	512	67
ORF1217	820931	820707	putative				[
ORF1218	837696	839096	Exodeoxyribonuclease V, Gamma	AE001334	Chlamydia trachomatis	967	45
ORF1219	883307	883549	putative				
ORF1220	892010	891726	putative				
ORF1221	893277	893564	putative			,,,,	1
ORF1222	936998	937225	Gen. Secretion Protein E	AE001327	Chlamydia trachomatis	256	9
ORF1223	946865	947419	putative			,	1
ORF1224	975187	975411	SWF/SNF family helicase	AE001341	Chlamydia trachomatis	363	26
ORF1225	985882	985517	hypothetical protein	AE001342	Chlamydia trachomatis	166	33
ORF1226	987713	987180	hypothetical protein	AE001342	Chlamydia trachomatis	447	59
ORF1227	988215	987733	Flagellar M-Ring Protein	AE001342	Chlamydia trachomatis	304	44
ORF1228	988754	988530	Flagellar M-Ring Protein	AE001342	Chlamydia trachomatis	92	36
ORF1229	992542	992841	hypothetical protein	AE001343	Chlamydia trachomatis	112	39
ORF1230	992759	993067	hypothetical protein	AE001343	Chlamydia trachomatis	100	32
ORF1231	1004247	1004528	D-Ala/Gly Permease	AE001344	Chlamydia trachomatis	283	64
ORF1232	1015013	1014294	235aa long hypothetical protein	AB009472	Pyrococcus horikoshii	104	52
ORF1233	1056147	1056545	putative				
ORF1234	1077682	1078035	predicted disulfide bond isomerase	AE001351	Chlamydia trachomatis	233	46
ORF1235	1088121	1088381	putative				
ORF1236	1098430	1098852	Predicted Kinase	AE001352	Chlamydia trachomatis	384	59
ORF1237	1098798	1099319	Predicted Kinase	AE001352	Chlamydia trachomatis	322	45
ORF1238	1123198	1123515	Transport Permease	AE001354	Chlamydia trachomatis	313	7.7
ORF1239	1123606	1124256	Tyrosine Transport	AE001354	Chlamydia trachomatis	577	58
ORF1240	1124453	1124797	Tyrosine Transport	AE001354	Chlamydia trachomatis	323	52
ORF1241	1129253	1129567	putative				;
ORF1242	1164947	1164474	hypothetical protein	AE001357	Chlamydia trachomatis	412	56
ORF1243	1170457	1170053	hypothetical protein	AE001358	Chlamydia trachomatis	283	59
ORF1244	1172342	1171863	ABC transporter permease	AE001358	Chlamydia trachomatis	457	55
ORF1245	1192155	1192835	putative				
ORF1246	1192759	1192992	putative				
ORF1247	1193861	1194142	putative				

ORF	Begin	End	Homology	a,	Species	Score	%I
ORF1248	1194036	1193779	(D-Amino Acid Dehydrogenase)	AE001311	Chlamydia trachomatis	269	79
ORF1249	1209748	1209053	conserved hypothetical protein	AE000958	Archaeoglobus fulgidus	121	38
ORF1250	1215111	1215419	putative				
ORF1251	1216302	1216538	putative				
ORF1252	1228072	1227818	hypothetical protein	AE001306	Chlamydia trachomatis	134	39
ORF1253	1228304	1228080	xseB	AL021897	Mycobacterium tuberculosis	86	33
ORF1254	26599	26222	putative				
ORF1255	27609	27367	putative				
ORF1256	67206	29699	putative				
ORF1257	70612	70352	putative		-		
ORF1258	132703	132945	putative				
ORF1259	178073	178393	putative				
ORF1260	208576	208349	putative				
ORF1261	209156	208929	putative				
ORF1262	209263	209024	putative				
ORF1263	210304	210639	putative				
ORF1264	299009	299452	putative				
ORF1265	352106	351717	putative				
ORF1266	420182	419949	Flagellar Secretion Protein	AE001280	Chlamydia trachomatis	115	43
ORF1267	553602	553381	putative				
ORF1268	556538	556807	putative				
ORF1269	594348	593797	putative				
ORF1270	595169	594876	putative				
ORF1271	662148	662381	putative				
ORF1272	706528	706893	putative				
ORF1273	803315	803650	putative				
ORF1274	849551	849306	putative				
ORF1275	913676	913275	putative				
ORF1276	927087	926836	putative				
ORF1277	930587	930360	putative				
ORF1278	986531	986764	ORF 12	M72718	Bacillus subtilis	106	48
ORF1279	677966	996486	putative				
ORF1280	1000373	1000002	putative				

ORF	Begin	End	Homology	a a	Species	Score 1%	%I
OPE1281	1010791	1010037	putative				
ORF1282	1011128	1010793	106aa long hypothetical protein	AB009472	Pyrococcus horikoshii	159	20
ORF1283	1012924	1012694	putative				
ORF1284	1028659	1028913	putative				
ORF1285	1086481	1086762	putative				
ORF1286	1118658	1118879	Phosphoglucomutase	AE001354	Chlamydia trachomatis	291	22
ORF1287	1170098	1169835	hypothetical protein	AE001358	Chlamydia trachomatis	187	23
ORF1288	1180828	1181184	putative				
ORF1289	1182658	1183035	putative				
ORF1290	1195076	1194795	putative				
ORF1291	1195890	1196183	putative				

Table 2

ORF Nos	begin	end	potential start
2	42	794	42
3	1258	1614	1261
4	1807	2418	1807
5	3393	2491	3393
6	3639	4067	3639
7	5649	4270	5649
8	7463	6012	7463
9	8051	8962	8051
10	9129	9959	9138
11	10687	10361	10639
12	10927	11232	10927
. 13	11246	12727	11246
14	12691	14190	12691
15	14484	17249	14484
16	16039	15770	16036
17	17845	20853	17845
18	21137	22042	21137
19	22046	23476	22046
20	23681	26110	23681
21	26109	25861	26109
22	26241	26978	26241
23	26960	27754	26960
24	27747	28577	27747
25	28887	29492	28950
26	29432	30028	29432
27	30024	31472	30024
28	31758	32288	31758
29	32201	33991	32201
30	33852	34541	33852
31	34783	3 36063	34783
32	36009	37529	36009
33	3788	39362	37881
34	3941	8 3916	39418

ORF Nos	begin	end	potential start
35	39366	40715	39366
36	43076	41094	43076
37	43800	43066	43800
	44828	43785	44768
38			45340
39	45340	44753	45752
40	45752	45372	
41	46996	45701	46996
42	47961	47569	47961
43	48960	48040	48960
44	51452	50133	51452
45	52606	51335	52606
46	53684	53319	53684
47	54195	53746	54195
48	55278	56453	55278
49	56493	57266	56493
50	57297	58526	57297
51	59851	58565	59851
52	61495	59924	61495
53	61324	62151	61324
54	62132	62470	62132
55	62474	63733	62474
56	63881	64186	63881
57	64611	64318	64611
58	65485	64673	65485
59	65999	65301	65999
60	66244	67281	66244
61	67265	67699	67265
62	67703	68539	67760
63	68805	70736	68805
64	69172	6883	69172
65	<u> </u>		70642
66		<u> </u>	
67			7 72060
68	ł		

ORF Nos	begin	end	potential start
69	78351	77680	78351
70	79356	78355	79356
71	79983	79693	79983
72	80441	79938	80441
73	80475	80969	80475
74	81296	83080	81332
. 75	83291	83932	83291
76	84005	84769	84005
77	84975	85244	84975
. 78	85123	85425	85123
79	85397	85903	85397
80	85909	86583	85909
81	86626	88065	86626
82	89257	91026	89257
83	91291	93030	91291
84	93295	94086	93295
85	95285	94707	95279
86	95667	96557	95667
87	96317	97456	96317
88	98435	97968	98435
89	99460	98426	99460
90	100144	101325	100144
91	101457	101720	101457
92	101704	102273	101704
93	102356	102805	102356
94	102835	103530	102835
. 95	103549	104058	103549
96	104096	104491	104096
97	104601	108386	104601
98	108401	112054	108401
99	112033	112590	112033
100	112672	113682	112672
101	113726		113726
102	114711	114136	114711

ORF Nos	begin	end	potential start
103	115267	115755	115267
104	115911	116543	115911
105	116736	118055	116778
106	117968	118522	117968
107	118530	119843	118530
108	119816	120457	119816
109	120451	122430	120451
110	122504	122950	122504
111	123528	126347	123528
112	126332	129166	126332
113	134690	129213	134690
114	134925	136382	134931
. 115	137870	136482	137867
116	137899	138240	137899
117	138239	137928	138239
118	139558	138257	139558
119	140352	139516	140352
120	140498	141841	140498
121	141855	142658	141855
122	144258	143050	144258
123	145258	144494	145258
124	145454	146749	145454
125	147318	146767	147318
126	148261	147677	148261
127	149029	152157	149029
128	1		154108
129	155135	154308	155135
130	155141	155467	155141
131	155703	156779	155703
132	156748	157635	156748
133	157653	158996	157653
134	159363	159986	159363
135	159880	160446	159880
136	160477	160839	160477

ORF Nos	begin	end	potential start
137	160898	161539	160898
138	161527	162153	161527
139	162144	162443	162144
140	162437	164098	162437
141	165451	164228	165451
142	166349	165411	166349
143	166949	168442	166949
144	169416	171029	169416
145	170857	171459	170857
146	172652	173428	172652
147	174626	173439	174626
148	174816	175613	174816
. 149	175598	175954	175598
150	175958	176935	175958
151	177708	176938	177708
152	177128	177376	177128
153	179472	177841	179472
154	179822	179517	179822
155	181793	179943	181793
156	182628	181876	182628
157	184420	183074	184420
158	184988	184467	184988
159	185483	185112	185483
160	185902	185483	185902
161	186174	185839	186174
162	187720	186587	187720
163	188318	190933	188318
164	191090	191635	191090
165	191547	192743	191547
166	192969	193469	192969
167	194044	193610	194044
168	194196	195809	194196
169	196088	198073	196088
170	198132	199454	198132

ORF Nos			74 / 175 / 200 Pro 18
	begin	end	potential start
171	199351	202818	199351
172	204552	202999	204552
173	205648	204692	205639
174	205807	207327	205807
175	207182	207775	207182
176	207779	208267	207779
177	208267	209577	208267
178	211807	211271	211807
179	212188	211844	212188
180	214079	212448	214079
181	214907	214083	214907
182	216154	215429	216154
- 183	216115	216678	216115
184	216728	217282	216728
185	217267	217866	217267
186	218593	218261	218590
187	219821	218994	219821
188	221382	220309	221382
189	222719	221433	222719
190	223521	222724	223521
191	224499	225008	224499
192	225140	225559	225140
193	225555	226802	225555
194	227800	226892	227743
195	228335	228072	228335
196	229251	228643	229251
197	230983	229622	230983
198	231483	230983	231483
199	232063	231509	232063
200	232739	232053	232739
201	233166	234356	233166
202	233518	233165	233518
203	3 234536	235186	234536
204	235379	236689	235379

			174
ORF Nos	begin	end	potential start
205	236680	237618	236689
206	237521	238345	237521
207	238281	238973	238281
208	238871	240115	238871
209	240191	241564	240191
210	242281	241604	242281
211	242933	242274	242933
212	243416	242976	243416
213	243500	244531	243500
214	244480	246021	244480
215	246330	247811	246330
216	247831	249174	247870
. 217	249437	251038	249455
218	251325	252212	251325
219	253156	254007	253156
220	253974	254852	253974
221	255258	256094	255258
222	256640	257455	256640
223	257502	258239	257502
224	257869	257501	257869
225	259248	260897	259248
226	262753	261788	262753
227	263059	262757	263059
228	264375	263182	264375
229	265985	264747	265985
230	266637	266059	266637
231	267338	266538	267338
232	267922	267473	267922
233	269647	270771	269647
234	272777	273145	272777
235	273253	273636	273253
236	273705	273977	273705
237	276016	275717	276016
238	276439	276020	276418
	<u></u>	L	

			143
ORF Nos	begin	end	potential start
239	276792	277253	276792
240	277318	277599	277318
241	278578	277877	278578
242	279258	278554	279258
243	280435	279533	280435
244	281547	280849	281547
245	281696	282325	281717
246	282459	284069	282459
247	284056	284517	284056
248	284606	285775	284606
249	285592	285987	285592
250	286179	286976	286179
_ 251	287583	287002	287583
252	287951	287451	287951
253	288499	288816	288499
254	289674	288505	289674
255	288839	289213	288839
256	289970	290254	289970
257	291931	292803	291931
258	293258	292755	293258
259	293718	293272	293718
260	294630	293953	294630
261	296153	294636	296153
262	294817	295068	294817
263	296354	297862	296354
264	298415	297879	298415
265	298777	298253	298777
266	299572	298781	299572
267	300487	299633	300487
268	301586	300702	301568
269	302440	301571	302440
270	302838	302437	302838
271	303335	302745	303335
272	304394	303852	304394

ORF Nos	begin	end	potential start
273	304606	305223	304606
274	305394	306236	305394
275	306501	307439	306501
276	308033	307458	308033
277	308924	308037	308924
278	309485	310180	309485
279	310426	311214	310426
280	311597	311253	311504
281	312772	311780	312772
282	313425	312772	313425
283	313646	313377	313646
284	313937	314665	313937
285	315576	314755	315576
286	316157	315531	316157
287	318657	316156	318657
288	321042	318676	321042
289	321445	321098	321445
290	322309	321710	322309
291	323190	322366	323181
292	323843	323181	323843
293	324878	323856	324878
294	325340	326410	325340
295	326433	327836	326433
296	328465	327839	328465
297	329360	328857	329360
298	330907	329357	330907
299	332455	330956	332455
300	334536	332395	334536
301	336091	334877	336091
302	336103	337302	336103
303	338129	338830	338129
304	338965	339501	338965
305	339508	340143	339508
300	340247	342967	340247

ORF Nos	begin	end	potential start
307	343385	343810	343385
308	344171	343935	344171
309	345082	344330	345073
310	346005	345082	346005
311	346784	346437	346784
312	347029	346715	347029
313	347034	347723	347034
314	348075	350459	348075
315	350598	351071	350598
316	351075	352175	351096
317	353291	352230	353267
318	353442	354467	353442
319	354451	354933	354451
320	355000	355449	355000
321	355448	356743	355448
322	355953	355642	355953
323	359310	356827	359310
324	359120	359377	359120
325	359525	359908	359525
326	361290	359947	361290
327	363785	361362	363746
328	364496	363888	364496
329	364832	365290	364832
330	365304	365669	365304
331	366599	365667	366599
332	367291	369030	367291
333	369134	369808	369134
334	369917	370438	369917
335	370365	372647	370365
336	372557	373066	372557
337	373020	373442	
338	373467	374195	
339	374170		
340	375670	375083	375676

ORF Nos	begin	end	potential start
341	376173	375634	376173
342	376564	377643	376564
343	377956	379773	377956
344	379781	380425	379805
345	380281	381000	380281
346	381008	381460	381008
347	381460	383037	381460
348	383257	383523	383257
349	383553	385304	383553
350	385397	386458	385400
351	387242	386514	387242
352	388764	387013	388764
353	390120	390932	390120
354	390919	391818	390961
355	392379	· 391885	392379
356	392582	392986	392582
357	392776	393684	392776
358	394151	394804	394151
359	394928	395308	394928
360	395259	395990	395259
361	397815	395953	397815
362	398850	397831	398850
363	400085	399099	400085
364	401245	400073	401236
365	401474	401136	401474
366	402199	401423	402199
367	403193	402186	403166
368	403650	404165	403650
369	404343	405914	404343
370	405984	407327	405984
371	407712	408806	407712
372	410439	409075	410439
373	411826	410954	411826
374	412482	414302	412482

ORF Nos	begin	end	potential start
375	415402	414407	415402
376	415848	415237	415848
377	417131	415866	417131
378	417258	417566	417258
379	418326	417454	418326
380	420057	418426	420057
381	420448	420720	420448
382	420980	421552	420980
383	421556	422029	421556
384	422461	422925	422461
385	423562	424320	423562
386	424250	424591	424250
387	424830	426047	424830
388	426240	427397	426240
389	428841	430703	428841
390	430694	431446	430694
391	431597	432100	431597
392	432165	432779	432165
393	433272	432832	433272
394	433925	433227	433922
395	436678	433934	436678
396	437176	438357	437176
397	440317	438518	440317
398	440001	440345	440001
399	441233	440517	441233
400	440719	441012	440719
401	442192	441230	442192
402	442888	442343	442888
403	442371	442961	442371
404	443578	443003	443578
405	444500	443520	444500
406	444842	444528	3 444842
407	445009	44474:	3 445009
408	3 445718	3 445182	445718

ORF Nos	begin	end	potential start
409	445807	447804	445807
410	448738	447803	448738
411	449628	448618	449628
412	450298	450867	450298
413	450713	451207	450713
414	451211	452452	451211
415	452448	453659	452448
416	454843	453725	454843
417	455608	454865	455608
418	456243	457007	456243
419	457016	457708	457016
420	458368	457979	458368
421	459496	458372	459496
422	459493	460194	459493
423	461446	460355	461446
424	462298	461450	462298
425	462444	463349	462444
426	464241	463342	464241
427	464574	465065	464574
428	465129	465611	465129
429	465571	466317	465571
430	466317	467093	466317
. 431	466999	467502	466999
432	469691	467715	469691
433	470691	469660	470691
434	472010	470709	472010
435	471545	471799	471545
436	472359	472045	472359
437	473523	472732	473523
438	474889	473441	474889
439	477323	475365	477323
440	478496	477597	478496
441	478722	479273	478722
442	479277	479705	479277

ORF Nos	begin	end	potential start
443	480050	481450	480050
444	481469	482053	481469
445	482600	482025	482600
446	482654	484204	482654
447	484211	485170	484211
448	485170	485838	485170
449	485813	486580	485813
450	486976	486638	486976
451	489071	487764	489071
452	489341	489090	489341
453	489958	489152	489958
454	490549	489962	490549
455	491163	490522	491163
456	491396	491112	491396
457	492121	491390	492121
458	492304	494838	492304
459	495943	494822	495943
460	496011	496565	496170
461	496569	497228	496569
462	497358	497834	497358
463	497770	498327	497770
464	499209	499589	499209
465	499520	499792	499520
466	500774	504169	500774
467	504139	504600	504139
468	504865	506877	504865
469	506790	507671	506790
470	507718	510507	507718
471	508325	507912	508325
472	510660	513440	510660
473	514965	513787	514920
474	517347	515419	517347
47:	517058	517363	517058
470	517798	517277	517798

ORF Nos	begin	end	potential start
477	518200	517847	518200
478	518300	521146	518363
479	521392	522948	521407
480	523244	524809	523322
481	524379	524125	524379
482	524649	526238	524649
483	526265	527104	526268
484	526947	526702	526947
485	526975	528450	526975
486	528408	529199	528408
487	530612	529542	530612
488	531656	530616	531656
489	533974	532067	533974
490	536432	534324	536432
491	537150	536707	537150
492	537928	537080	537928
493	538438	537932	538438
494	538737	538333	538737
495	539594	539127	539594
496	541215	539590	541215
497	542571	541282	542571
498	543014	542457	543014
499	543369	542962	543369
500	543809	546628	543815
501	546619	549525	546619
502	547293	546994	547293
503	549699	550523	549699
504	550490	551551	550490
505	551448	552623	551448
506	552652	555117	552652
507	555029	555493	555029
508	558006	555673	558006
509	559694	558162	559694
510	558208	558573	558208

			101
ORF Nos	begin	end	potential start
511	561692	559899	561692
512	561412	561708	561412
513	563942	561777	563942
514	564969	563950	564969
515	566204	564936	566198
516	567717	566302	567717
517	568526	567708	568526
518	569467	568742	569467
519	571065	569431	571065
520	571828	571118	571783
521	572202	573308	572202
522	573146	575056	573146
523	575023	575916	575023
524	577891	576497	577891
525	578914	578204	578914
526	579924	578857	579924
527	580187	579858	580187
528	580017	580406	580017
529	581086	580187	581086
530	581367	581828	581367
531	581678	582367	581678
532	582361	583428	582361
533	584690	583431	584690
534	585237	584950	585237
535	585626	586888	585626
536	586846	587907	586888
537	589049	588180	589049
538	590500	589301	590455
539	590755	592458	590755
540	592526	592903	592526
541	592836	593747	592836
542	593747	594298	593747
54:	594331	595947	594331
54-	595905	596309	595905

ORF Nos	begin	. end	potential start
545	596514	597215	596514
546	597184	597957	597184
547	597755	598612	597755
548	598602	599204	598602
549	599373	599939	599373
550	600903	602072	600903
551	602240	602587	602240
552	602637	603272	602637
553	603142	604512	603142
554	604627	605853	604627
555	605790	606620	605790
556	606571	607281	606571
557	609004	607355	609004
558	610906	609932	610906
559	611786	611004	611786
560	612333	611746	612333
561	613897	612341	613897
562	615179	616279	615179
563	616610	617383	616610
564	618796	617810	618796
565	620004	618826	620004
566	619649	619918	619649
567	621265	620021	621265
568	622359	621265	622359
569	623420	622560	623420
570	624297	623335	624297
571	624773	624174	624773
572	625029	625484	625029
573	625488	625883	625488
574	625892	626395	625892
575		1	626444
570	627912	628607	627930
570	7 - 628774	629697	628774
578	629660	631639	629660

ORF Nos	begin	end	potential start
579	631725	633551	631725
580	633520	636957	633520
581	637232	638098	637232
582	640648	639593	640648
583	640979	640728	640979
584	641327	641007	641327
585	641687	642283	641687
586	643023	642286	643023
587	643330	643076	643330
588	643704	643351	643704
589	645628	643676	645628
590	645783	645538	645756
591	646269	645793	646269
592	646751	646314	646751
593	647848	647045	647848
594	648393	650336	648393
595	651016	650420	651007
596	652956	651289	652956
597	653395	653126	653395
598	655740	654193	655740
599	656508	655966	656508
600	658140	657022	658140
601	660216	658525	660216
602	663238	660248	663238
603	664461	663157	664452
604	665735	664635	665735
605	666212	666994	666212
606	666998	667921	666998
607	667909	668568	667909
608	668502	669203	668502
609	669154	670893	669175
610	672220	670853	672226
611	67113	671424	671137
612	67245	673001	672453

ORF Nos	begin	end	potential start
613	673072	674721	673072
614	674549	674262	674549
615	675518	674796	675518
616	676083	675499	676083
617	676630	676067	676630
618	677016	676600	677016
619	677647	677015	677647
620	677990	678259	677990
621	679444	680097	679444
622	680097	680897	680097
623	681637	680849	681637
624	681409	682281	681409
625	682453	682821	682453
626	682763	683902	682763
627	684616	683969	684616
628	685169	684534	685169
629	685986	685117	685986
630	686278	687288	686278
631	687483	688151	687483
632	688740	689501	688740
633	690242	689622	690242
634	690470	691126	690470
635	692600	691497	692600
636	692674	695064	692674
637	695049	696032	695064
638	697964	696585	697964
639	699803	698274	699803
640	701926	699788	701926
641	703196	702567	703196
642	704221	703208	704221
643	704240	705289	704240
644	706070	705300	706070
645	706841	706254	706838
646	707596	706811	707596

		•	155
ORF Nos	begin	end	potential start
647	708666	707677	708666
648	709793	709119	709793
649	711523	710132	711523
650	712236	711523	712236
651	714734	712125	714734
652	715759	714761	715759
653	717538	715886	717538
654	719113	720243	719113
655	720590	722422	720590
656	722406	723056	722406
657	723551	723120	723551
658	724246	723626	724246
. 659	724754	724251	724754
660	725868	724900	725868
661	727115	726270	727115
662	728126	727119	728126
663	728594	728208	728594
664	729614	728604	729614
665	729778	729533	729778
666	730149	729751	730149
667	730539	730174	730539
668	731983	730598	731983
669	732427	731996	732427
670	732917	732423	732917
671	733598	733320	733598
672	733869	733492	733869
673	734298	733900	734298
674	734858	734319	734858
675	735195	734863	735195
676	735578	735342	735578
677	735861	735604	735861
678	736492	736079	736492
679	737192	736524	737192
680	737555	737211	737555

ORF Nos	begin	- end	potential start
681	738688	737837	7386 88
682	739048	738713	739048
683	739736	739065	739736
684	740477	739773	74047 7
685	740659	740958	740659
686	741722	740721	741722
687	742789	741827	742789
688	743618	742782	743618
689	744092	743634	744092
690	744604	744107	744604
691	744953	744498	744953
692	746608	744986	746608
693	747085	746621	747085
694	747974	747219	747974
695	748594	748169	748594
696	749145	748573	749145
697	749652	749957	749652
698	750446	749979	750446
699	751219	750446	751219
700	753042	751291	753042
701	754309	753020	754309
702	755120	756175	755120
703	756120	756485	756120
704	756499	760227	756499
705	761217	760297	761178
706	761297	761809	761330
707	761782	762282	761782
708	762260	762895	762299
709	762867	763316	76286 7
710	763780	763325	763780
711	763861	765168	763861
712	766809	765697	766809
713	768051	766888	768051
714	768566	768321	768566

ORF Nos	begin	end	potential start
715	769342	768551	769342
716	770532	769378	770532
717	771451	770804	771451
718	773058	771847	773058
719	773094	773456	773094
720	774376	773093	774376
721	775123	774380	775123
722	775398	774916	775398
723	775046	776077	775046
724	776070	777041	776070
725	777964	777536	777964
726	778176	777904	778176
. 727	778621	779334	778684
728	781173	780307	781173
729	781526	781116	781526
730	782784	781555	782784
731	783572	782805	783572
732	785032	783581	785032
733	786412	785360	786412
734	788429	786450	788429
735	788944	788528	788944
736	789758	788901	789758
737	790332	791504	790338
738	791846	792721	791846
739	792724	793569	792724
740	793580	794323	793580
741	794304	794843	794304
742	795217	795732	795217
743	795722	796795	795722
744	798735	797053	798735
745	799823	798681	799823
746	799297	799578	799297
747	801313	799808	801313
748	802453	801332	802453

PCT/IB98/01890

ORF Nos	begin	end	potential start
749	803299	802457	803299
750	803811	803290	803811
751	805151	803826	805151
752	805860	805156	805860
753	806604	806332	806604
754	806913	806608	806913
755	808222	806903	808222
756	808751	808146	808751
757	809437	808673	809437
758	809939	809454	809939
759	811235	810213	811235
760	811779	813056	811779
761	812890	812516	812890
. 762	812954	813583	812954
763	813587	815023	813587
764	815420	815746	815420
765	816036	817010	816036
766	817111	817356	817111
767	817791	818609	817797
768	818609	819094	818609
769	819104	819823	819104
770	820722	819826	820722
771	822313	821000	822313
772	823503	822238	823503
773	823678	825612	823678
774	825461	826312	825461
775	827280	826645	827280
776	828604	827171	828604
777	830026	828713	830026
778	831047	830085	831047
779	831725	831051	831725
780	832220	833098	832220
781	833851	833396	833851
782	834068	835039	834068

ORF Nos	begin	end	potential start
783	835792	835127	835792
784	837624	836116	837624
785	838951	840882	838951
786	840869	842185	840869
787	841989	843455	841989
788	843242	844021	843242
789	845018	843987	844997
790	846174	844990	846174
791	848509	846311	848509
792	848568	849014	848568
793	849082	850488	849088
794	851512	850574	851512
. 795	852064	852447	852064
796	852398	853690	852398
797	855118	854243	855118
798	855751	855128	855751
799	856551	855829	856551
800	856730	858556	856730
801	858717	859601	858717
802	859591	860205	859591
803	861132	860284	861132
804	861426	861163	861426
805	861701	862921	861701
806	863026	864798	863026
807	864831	865256	864831
808	865226	866581	865226
809	866562	867119	866562
810	867025	867816	867025
811	867820	868497	867820
812	869743	868661	869743
813	870633	870094	870633
814	871929	870646	871929
815	872538	872086	872538
816	873908	872517	873908

ORF Nos	begin	end	potential start
817	874281	874670	874281
818	874582	875286	874582
819	877857	875377	877857
820	878446	879255	878446
821	880635	879268	880635
822	882524	880593	882524
823	882612	883319	882612
824	884155	883538	884155
825	884340	885611	884343
826	885722	887302	885722
827	887587	888153	88 7 587
828	888627	888220	888627
. 829	889330	888716	889330
830	889898	889323	889898
831	891190	889898	891190
832	891828	891247	891828
833	892421	892017	892421
834	893116	892421	893116
835	892521	892925	892521
836	893392	895419	893392
837	895745	896527	895745
838	896668	897558	896668
839	897565	899442	897565
840	899420	900229	899420
841	903230	900237	903230
842	905081	903234	905081
843	906931	905045	906931
844	907248	907832	907299
845	907784	908128	907784
846	908132	908677	908132
847	908589	909320	908589
848	909405	911465	909405
849	911677	912360	911725
850	912303	912821	912303

ORF Nos	begin	end	potential start
851	912937	913983	912937
852	915128	914067	915128
853	916658	915303	916658
854	915627	915376	915627
855	917707	916853	917707
856	918837	917722	918837
857	919868	918837	919868
858	920434	919880	920434
859	921187	920438	921187
860	921959	921195	921959
861	923773	921995	923773
862	922146	922415	922146
. 863	923943	923674	923943
864	9 2407 7	925006	924077
865	925436	925083	925436
866	926524	925349	926524
867	927920	926433	927920
868	928319	927951	928319
869	928963	928334	928963
870	929248	930987	929248
871	930995	932059	930995
872	932121	933515	932175
873	932881	932513	932881
874	933485	935746	933485
875	935724	937082	935724
876	937229	938410	937229
877	938281	938805	938281
878	938809	939255	938824
879	939165	939782	939165
880	939760	940791	939790
881	940822	941106	940822
882	940977	941351	940977
883	942537	941623	942429
884	942784	942500	942763

ORF Nos	begin	end	potential start
885	943149	942799	943149
886	943799	943029	943799
887	944055	943732	944055
888	944413	943994	944404
889	945395	944556	945395
890	945853	945389	945853
891	946392	945751	946392
892	947410	948081	947431
893	949871	948915	949871
894	951058	949868	951058
895	951249	950959	951249
896	951664	952134	951664
897	952674	952165	952674
898	953491	952589	953491
899	955324	953495	955324
900	955823	955281	955823
901	957082	955847	957082
902	957902	957270	957902
903	959231	957906	959231
904	959376	960284	959376
905	960266	961669	960347
906	961856	964765	961856
907	966855	965395	966855
908	968204	966975	968204
909	968791	968237	968791
910	969498	968731	969498
911	969858	969511	969858
912	970118	969762	970118
913	970593	970300	970593
914	971261	970542	971261
915	971680	971123	971680
916	971876	975100	971876
917	975419	976516	975419
918	976584	978320	976584

ORF Nos	begin	end	potential start
919	977680	977231	977680
920	978399	980738	978399
921	980756	981928	980756
922	982974	981931	982962
923	984120	983119	984120
924	985502	984120	985502
925	987180	985882	987180
926	987172	987444	987172
927	989846	989049	989846
928	991048	989846	991048
929	991638	990955	991638
930	991794	992498	991794
931	993619	993041	993619
932	993530	994792	993548
933	995970	994795	995970
934	996857	995739	996857
935	997603	996782	997603
936	998969	997572	998969
937	998896	1000023	998896
938	1000087	1001340	1000087
.939	1001357	1001818	1001357
940	1003288	1001873	1003288
941	1003487	1004146	1003496
942	1004485	1005639	1004689
943	1005643	1005972	1005643
944	1006784	1006116	1006784
945	1007563	1006769	1007563
946	1009226	1007568	1009226
947	1009989	1009336	1009989
948	1015852	1016337	1015852
949	1016561	1016181	1016561
950	1016297	1017532	1016297
951	1016802	1016452	1016802
952	1018993	1017701	1018993

ORF Nos	begin	end	potential start
953	1019454	1019137	1019454
954	1020764	1019562	1020764
955	1021405	1021037	1021405
956	1021821	1024286	1021821
957	1024697	1024248	1024697
958	1025569	1024508	1025551
959	1026969	1025590	1026969
960	1027789	1026947	1027789
961	1031199	1027945	1031199
962	1031717	1031172	1031717
963	1033057	1031612	1033057
964	1033425	1033039	1033425
965	1033784	1033200	1033784
966	1033963	1036038	1033963
967	1036945	1036010	1036945
968	1037110	1037679	1037110
969	1037696	1037944	1037696
970	1038916	1037975	1038916
971	1040582	1039026	1040582
972	1040997	1042337	1040997
973	1042357	1043403	1042357
974	1043367	1044623	1043367
975	1044607	1045362	1044607
976	1045384	1046538	1045384
977	1046447	1047517	1046447
978	1047521	1049956	1047521
979	1050611	1050036	1050611
980	1050925	1050566	1050925
981	1051728	1051090	1051728
982	1051743	1052063	1051743
983	1052101	1053126	1052101
984	1054201	1053107	1054201
985	1054242	1055555	1054242
986	1055483	1055908	1055483

(2000)			100
ORF Nos	begin	end	potential start
987	1056609	1056965	1056609
988	1056961	1058232	1056985
989	1058238	1058687	1058238
990	1059371	1058 72 7	1059371
991	1059526	1060578	1059526
992	1061553	1060579	1061553
993	1061674	1062411	1061674
994	1062377	1064077	1062377
995	1064116	1065243	1064116
996	1067451	1065178	1067451
997	1068065	1067376	1068065
998	1068209	1068706	1068230
- 999	1069958	1068819	1069958
1000	1071163	1070033	1071163
1001	1072438	1071332	1072438
1002	1072997	1073476	1072997
1003	1074239	1075864	1074239
1004	1076790	1075867	1076790
1005	1077268	1076573	1077268
1006	1077999	1078724	1077999
1007	1079088	1078672	1079088
1008	1079642	1079944	1079642
1009	1080501	1079995	1080468
1010	1080775	1081341	1080775
1011	1083158	1081350	1083158
1012	1084677	1083235	1084677
1013	1085648	1084632	1085648
1014	1086117	1086737	1086117
1015	1086692	1087897	1086692
1016	1088646	1089005	1088646
1017	1089146	1089805	1089146
1018	1092931	1089890	1092931
1019	1093179	1092889	1093179
1020	1093584	1094204	1093584
······································	· · · · · · · · · · · · · · · · · · ·		

ORF Nos	begin	end	potential start
1021	1095619	1094192	1095619
1022	1096074	1096628	1096074
1023	1096633	1097082	1096633
1024	1097266	1097601	1097266
1025	1097622	1097867	1097622
1026	1097886	1098392	1097886
1027	1099521	1099279	1099521
1028	1099689	1101053	1099704
1029	1102192	1101107	1102192
1030	1104950	1102116	1104950
1031	1106508	1104946	1106508
1032	1106722	1107249	1106722
1033	1107463	1108101	1107463
1034	1108041	1108421	1108041
1035	1108520	1113370	1108520
1036	1114958	1113447	1114958
1037	1116915	1115071	1116915
1038	1118183	1116894	1118183
1039	1118846	1120030	1118846
1040	1120040	1120522	1120040
1041	1120510	1121430	1120510
1042	1121321	1121866	1121321
1043	1122123	1122899	1122123
1044	1124842	1125564	1124842
1045	1126526	1125579	1126526
1046	1126519	1127676	1126519
1047	1127672	1128571	1127672
1048	l	1131336	1130230
1049	1131480	1132553	1131480
1050	<u> </u>	1133843	1132830
1051		1134855	
1052	1134642	1135592	1134642
1053			
1054	1137132	1135954	1137132

ORF Nos	begin	end	potential start
1055	1137169	1140102	1137169
1056	1141365	1140112	1141344
1057	1142150	1141356	1142150
1058	1142520	1145660	1142520
1059	1145627	1146721	1145627
1060	1146862	1147545	1146862
1061	1147666	1148190	1147666
1062	1148514	1148224	1148514
1063	1149136	1148348	1149136
1064	1149702	1149166	1149702
1065	1150031	1150591	1150031
1066	1150785	1151147	1150785
- 1067	1151165	1152181	1151165
1068	1152522	1154591	1152522
1069	1155666	1154566	1155666
1070	1156743	1155670	1156740
1071	1156859	1157815	1156859
1072	1157982	1160735	1157982
1073	1162620	1160917	1162620
1074	1162970	1162590	1162970
1075	1163532	1164020	1163532
1076	1163995	1164294	1163995
1077	1165569	1165030	1165569
1078	1166108	1165566	1166108
1079	1166644	1166141	1166644
1080	1167055	1168374	1167055
1081	1169218	1168337	1169218
1082	1169823	1169218	1169823
1083	1171324	1170572	1171324
1084	1172085	1171177	1172085
1085			1172394
1086			1175209
1087			1175360
1088	1175778	1177043	1175778

ORF Nos	begin	end	potential start
1089	1177177	1179048	1177177
1090	1179156	1180085	1179156
1091	1180045	1180779	1180045
1092	1181942	1180788	1181942
1093	1182296	1181961	1182296
1094	1183844	1182300	1183844
1095	1184420	1183848	1184420
1096	1185382	1184366	1185382
1097	1185858	1185226	1185858
1098	1186164	1186481	1186185
1099	1187386	1186484	1187386
1100	1187370	1189028	1187370
1101	1189321	1190889	1189321
1102	1191142	1192146	1191142
1103	1191974	1191729	1191974
1104	1193815	1192991	1193815
1105	1195702	1194248	1195702
1106	1196303	1195716	1196303
. 1107	1196831	1196337	1196831
1108	1197807	1196746	1197651
1109	1198740	1197883	1198668
1110	1200232	1198721	1200232
1111	1201286	1200135	1201286
1112	1202386	1201259	1202350
1113	1202901	1202350	1202901
1114	1204162	1202816	1204162
1115	1203177	1203464	1203177
1116	1205028	1204180	1205028
1117	1206392	1204878	1206392
1118	1206742	1206086	1206742
1119	1207872	1206724	1207872
1120	1208852	1207851	1208852
1121	1210518	1209742	1210518
1122	1210703	1211494	1210703

ODEN	begin		100
ORF Nos		end	potential start
1123	1211870	1212754	1211870
1124	1212742	1214064	1212742
1125	1214046	1214858	1214046
1126	1215551	1216318	1215551
1127	1216493	1216849	1216493
1128	1217183	1219612	1217183
1129	1220068	1219673	1220068
1130	1219710	1220669	1219710
1131	1220630	1221376	1220630
1132	1221645	1223681	1221645
1133	1223894	1224988	1223900
1134	1225000	1225830	1225000
- 1135	1227810	1225879	1227810
1136	1226528	1226908	1226528
1137	1229972	1228311	1229972
1138	47569	47018	47569
1139	49980	49117	49980
1140	53356	52898	53356
1141	54477	54884	54477
1142	63753	63998	63753
1143	77164	7748 7	77164
1144	79724	79302	79 7 24
1145	88721	88951	88721
1146	94067	94429	94067
1147	122832	123341	122832
1148	147536	147234	147536
1149	158990	159346	158990
1150	168470	168979	168470
1151	169183	169452	169204
1152	171785	171504	171785
1153	172518	171775	172518
1154	193599	194045	193599
1155	195704	196075	195704
1156	210687	210145	210684

ORF Nos	begin	end	potential start
1157	211100	210708	211100
1158	215420	215088	215420
1159	217914	218246	217914
1160	218925	218701	218925
1161	223785	223525	223785
1162	224271	223999	224271
1163	228691	228407	228691
1164	235050	235334	235050
1165	252308	253021	252308
1166	258280	258912	258280
1167	261325	261567	261325
1168	268195	268878	268195
1169	269447	268881	269447
1170	271263	271538	271263
1171	271957	272346	271957
1172	274176	274550	274176
1173	275736	275314	275736
1174	276490	276927	276490
1175	277577	277861	277577
1176	288163	287909	288163
1177	290130	289789	290130
1178	290989	291225	290989
1179	291372	291860	291372
1180	311239	311622	311239
1181	328665	328384	328665
1182	337348	338289	337348
1183	364764	364369	364764
1184	389623	390135	389623
1185	393729	394343	393729
1186	407379	407621	407379
1187	410944	410708	410944
1188	427632	427988	427632
1189	428172	428486	428172
1190	436761	437246	436761

ORF Nos	begin	end	potential start
1191	460911	461159	460911
1192	477597	477313	477597
1193	487303	487001	487303
1194	487764	487534	487764
1195	498502	499017	498502
1196	499795	500466	499795
1197	571928	572344	571928
1198	572367	572131	572367
1199	588184	587915	588184
1200	600587	600907	600587
1201	609731	608895	609731
1202	614039	614755	614039
. 1203	614823	615152	614823
1204	638244	638831	638244
1205	638819	639094	638819
1206	639073	639636	639073
1207	647901	648236	647901
1208	678510	679469	678510
1209	688178	688732	688178
1210	696045	696563	696045
1211	708998	708588	708998
1212	709808	710089	709808
1213	718240	717737	718240
1214	737828	737565	737828
1215	779502	780257	779502
1216	806310	805864	806310
1217	820931	820707	820931
1218	837696	839096	837696
1219	883307	883549	883307
1220	892010	891726	892010
1221	893277	893564	893277
1222	936998	937225	936998
1223	946865	947419	946865
1224	975187	975411	975187

ORF Nos	begin	end	potential start
1225	985882	985517	985882
1226	987713	987180	987713
1227	988215	987733	988215
1228	988754	988530	988754
1229	992542	992841	992542
1230	992759	993067	992759
1231	1004247	1004528	1004268
1232	1015013	1014294	1015013
1233	1056147	1056545	1056147
1234	1077682	1078035	1077682
1235	1088121	1088381	1088121
1236	1098430	1098852	1098430
1237	1098798	1099319	1098798
1238	1123198	1123515	1123198
1239	1123606	1124256	1123606
1240	1124453	1124797	1124453
1241	1129253	1129567	1129253
1242	1164947	1164474	1164947
1243	1170457	1170053	1170457
1244	1172342	1171863	1172342
1245	1192155	1192835	1192155
1246	1192759	1192992	1192759
1247	1193861	1194142	1193861
1248	1194036	1193779	1194036
1249	1209748	1209053	1209748
1250	1215111	1215419	1215111
1251	1216302	1216538	1216302
1252	1228072	1227818	1228072
1253	1228304	1228080	1228304
1254	26599	26222	26599
1255	27609	27367	27609
1256	67206	66967	67197
1257	70612	70352	70588
1258	132703	132945	132703

ODEST	maniin t		
ORF Nos	begin	end	potential start
1259	178073	178393	178073
1260	208576	208349	208576
1261	209156	208929	209156
1262	209263	209024	209263
1263	210304	210639	210304
1264	299009	299452	299030
1265	352106	351717	352061
1266	420182	419949	420170
1267	553602	553381	553602
1268	556538	556807	556538
1269	594348	593797	594342
1270	595169	594876	595160
1271	662148	662381	662160
1272	706528	706893	706528
1273	803315	803650	803339
1274	849551	849306	849551
1275	913676	913275	913676
1276	927087	926836	927087
1277	930587	930360	930587
1278	986531	986764	986531
1279	996229	996486	996229
1280	1000373	1000002	1000334
1281	1010291	1010037	1010273
1282	1011128	1010793	1011128
1283	1012924	1012694	1012924
1284	1028659	1028913	1028659
1285	1086481	1086762	1086481
1286	1118658	1118879	1118658
1287	1170098	1169835	1170098
1288	1180828	1181184	1180828
1289	1182658	1183035	1182658
1290	1195076	1194795	1195055
1291	1195890	1196183	1195890
1292	189042	188809	189030

ORF Nos	begin	end	potential start
1293	691250	691567	691250
1294	914544	914780	914556
1295	928525	928833	928579
1296	1040685	1040948	1040712
1297	377646	378068	377646

Table 4

SEQ ID NO (ORF)	Fp	Fd	Вр	Bd
2	1292	1293	3796	3797
3	1294	1295	3798	3799
4	1296	1297	3800	3801
5	1298	1299	3802	3803
6	1300	1301	3804	3805
7	1302	1303	3806	3807
8	1304	1305	3808	3809
9	1306	1307	3810	3811
10	1308	1309	3812	3813
11	1310	1311	3814	3815
12	1312	1313	3816	3817
- 13	1314	1315	3818	3819
14	1316	1317	3820	3821
15	1318	1319	3822	3823
16	1320	1321	3824	3825
17	1322	1323	3826	3827
18	1324	1325	3828	3829
19	1326	1327	3830	3831
20	1328	1329	3832	3833
21	1330	1331	3834	3835
22	1332	1333	3836	3837
23	1334	1335	3838	3839
24	1336	1337	3840	3841
25	1338	1339	3842	3843
26	1340	1341	3844	3845
27	1342	1343	3846	3847
28	1344	1345	3848	3849
29	1346	1347	3850	3851
30	1348	1349	3852	3853
31	1350	1351	3854	3855
32	1352	1353	3856	3857
33	1354	1355	3858	3859
34	1358	1359	3862	3863

35	1356	1357	3860	3861
36	1360	1361	3864	3865
37	1362	1363	3866	3867
38	1364	1365	3868	3869
39	1366	1367	3870	3871
40	1368	1369	3872	3873
41	1370	1371	3874	3875
42	1374	1375	⁻ 3878	3879
43	1376	1377	3880	3881
44	1380	1381	3884	3885
45	1382	1383	3886	3887
46	1386	1387	3890	3891
47	1388	1389	3892	3893
48	1392	1393	3896	3897
49	1394	1395	3898	3899
50	1396	1397	3900	3901
51	1398	1399	3902	3903
52	1402	1403	3906	3907
53	1400	1401	3904	3905
54	1404	1405	3908	3909
55	1406	1407	3910	3911
56	1410	1411	3914	3915
57°	1412	1413	3916	3917
58	1414	1415	3918	3919
59	1416	1417	3920	3921
60	1418	1419	3922	3923
61	1420	1421	3924	3925
62	1422	1423	3926	3927
63	1424	1425	3928	3929
64	1426	1427	3930	3931
65	1428	1429	3932	3933
66	1430	1431	3934	3935
67	1432	1433	3936	3937
68	1434	1435	3938	3939
69	1438	1439	3942	3943
				

177

	7			
70	1440	1441	3944	3945
71	1444	1445	3948	3949
72	1446	1447	3950	3951
73	1448	1449	3952	3953
74	1450	1451	3954	3955
75	1452	1453	3956	3957
76	1454	1455	3958	3959
77	1456	1457	-3960	3961
78	1458	1459	3962	3963
79	1460	1461	3964	3965
80	1462	1463	3966	3967
81	1464	1465	3968	3969
82	1468	1469	3972	3973
_ 83	1470	1471	3974	3975
84	1472	1473	3976	3977
85	1476	1477	3980	3981
86	1478	1479	3982	3983
87	1480	1481	3984	3985
88	1482	1483	3986	3987
89	1484	1485	3988	3989
90	1486	1487	3990	3991
91	1488	1489	3992	3993
92	1490	1491	3994	3995
93	1492	1493	3996	3997
94	1494	1495	3998	3999
95	1496	1497	4000	4001
96	1498	1499	4002	4003
97	1500	1501	4004	4005
98	1502	1503	4006	4007
99	1504	1505	4008	4009
100	1506	1507	4010	4011
101	1508	1509	4012	4013
102	1510	1511	4014	4015
103	1512	1513	4016	4017
104	1514	1515	4018	4019

105	1516	1517	4020	4021
106	1518	1519	4022	4023
107	1520	1521	4024	4025
108	1522	1523	4026	4027
109	1524	1525	4028	4029
110	1526	1527	4030	4031
111	1530	1531	4034	4035
112	1532	1533	~4036	4037
113	1534	1535	4038	4039
114	1536	1537	4040	4041
115	1538	1539	4042	4043
116	1540	1541	4044	4045
117	1542	1543	4046	4047
118	1544	1545	4048	4049
119	1546	1547	4050	4051
120	1548	1549	4052	4053
121	1550	1551	4054	4055
122	1552	1553	4056	4057
123	1554	1555	4058	4059
124	1556	1557	4060	4061
125	1558	1559	4062	4063
126	1562	1563	4066	4067
127	1564	1565	4068	4069
128	1566	1567	4070	4071
129	1568	. 1569	4072	4073
130	1570	1571	4074	4075
131	1572	1573	4076	4077
132	1574	1575	4078	4079
133	1576	1577	4080	4081
134	1580	1581	4084	4085
135	1582	1583	4086	4087
136	1584	1585	4088	4089
137	1586	1587	4090	4091
138	1588	1589	4092	4093
139	1590	1591	4094	4095
·	I			L

179

140		1 1500		r
140	1592	1593	4096	4097
141	1594	1595	4098	4099
142	1596	1597	4100	4101
143	1598	1599	4102	4103
144	1604	1605	4108	4109
145	1606	1607	4110	4111
146	1612	1613	4116	4117
147	1614	1615	4118	4119
148	1616	1617	4120	4121
149	1618	1619	4122	4123
150	1620	1621	4124	4125
151	1624	1625	4128	4129
152	1622	1623	4126	4127
153	1626	1627	4130	4131
154	1628	1629	4132	4133
155	1630	1631	4134	4135
156	1632	1633	4136	4137
157	1634	1635	4138	4139
158	1636	1637	4140	4141
159	1638	1639	4142	4143
160	1640	1641	4144	4145
161	1642	1643	4146	4147
162	1644	1645	4148	4149
163	1646	1647	4150	4151
164	1648	1649	4152	4153
165	1650	1651	4154	4155
166	1652	1653	4156	4157
167	1656	1657	4160	4161
168	1658	1659	4162	4163
169	1662	1663	4166	4167
170	1664	1665	4168	4169
171	1666	1667	4170	4171
172	1668	1669	4172	4173
173	1670	1671	4174	4175
174	1672	1673	4176	4177
	<u> </u>	1	i	L

175	1674	1675	4178	4179
176	1676	1677	4180	4181
177	1678	1679	4182	4183
178	1684	1685	4188	4189
179	1686	1687	4190	4191
180	1688	1689	4192	4193
181	1690	1691	4194	4195
182	1694	1695	4198	4199
183	1696	1697	4200	4201
184	1698	1699	4202	4203
185	1700	1701	4204	4205
186	1704	1705	4208	4209
187	1708	1709	4212	4213
188	1710	1711	4214	4215
189	1712	1713	4216	4217
190	1714	1715	4218	4219
191	1720	1721	4224	4225
192	1722	1723	4226	4227
193	1724	1725	4228	4229
194	1726	1727	4230	4231
195	1728	1729	4232	4233
196	1732	1733	4236	4237
197	1734	1735	4238	4239
198	1736	1737	4240	4241
199	1738	1739	4242	4243
200	1740	1741	4244	4245
201	1742	1743	4246	4247
202	1744	1745	4248	4249
203	1746	1747	4250	4251
204	1750	1751	4254	4255
205	1752	1753	4256	4257
206	1754	1755	4258	4259
207	1756	1757	4260	4261
208	1758	1759	4262	4263
209	1760	1761	4264	4265

WO 99/27105

210	1762	1763	4266	4267
211	1764	1765	4268	
				4269
212	1766	1767	4270	4271
213	1768	1769	4272	4273
214	1770	1771	4274	4275
215	1772	1773	4276	4277
216	1774	1775	4278	4279
217	1776	1777	- 4280	4281
218	1778	1779	4282	4283
219	1782	1783	4286	4287
220	1784	1785	4288	4289
221	1786	1787	4290	4291
222	1788	1789	4292	4293
. 223	1790	1791	4294	4295
224	1792	1793	4296	4297
225	1796	1797	4300	4301
226	1800	1801	4304	4305
227	1802	1803	4306	4307
228 ·	1804	1805	4308	4309
229	1806	1807	4310	4311
230	1808	1809	4312	4313
231	1810	1811	4314	4315
232	1812	1813	4316	4317
233	1818	1819	4322	4323
234	1824	1825	4328	4329
235	1826	1827	4330	4331
236	1828	1829	4332	4333
237	1834	1835	4338	4339
238	1836	1837	4340	4341
239	1840	1841	4344	4345
240	1842	1843	4346	4347
241	1846	1847	4350	4351
242	1848	1849	4352	4353
243	1850	1851	4354	4355
244	1852	1853	4356	4357
217	1	1 1033	7330	1 433/

245	1854.	1855	4358	4359
246	1856	1857	4360	4361
247	1858	1859	4362	4363
248	1860	1861	4364	4365
249	1862	1863	4366	4367
250	1864	1865	4368	4369
251	1866	1867	4370	4371
252	1868	1869	4372	4373
253	1872	1873	4376	4377
254	1876	1877	4380	. 4381
255	1874	1875	4378	4379
256	1878	1879	4382	4383
257	1886	1887	4390	4391
258	1888	1889	4392	4393
259	1890	1891	4394	4395
260	1892	1893	4396	4397
261	1896	1897	4400	4401
262	1894	1895	4398	4399
263	1898	1899	4402	4403
264	1900	1901	4404	4405
265	1902	1903	4406	4407
266	1904	1905	4408	4409
267	1906	1907	4410	4411
268	1908	1909	4412	4413
269	1910	1911	4414	4415
270	1912	1913	4416	4417
271	1914	1915	4418	4419
272	1916	1917	4420	4421
273	1918	1919	4422	4423
274	1920	1921	4424	4425
275	1922	1923	4426	4427
276	1924	1925	4428	4429
277	1926	1927	4430	4431
278	1928	1929	4432	4433
279	1930	1931	4434	4435
	<u> </u>			

			,	
280	1934	1935	4438	4439
281	1936	1937	4440	4441
282	1938	1939	4442	4443
283	1940	1941	4444	4445
284	1942	1943	4446	4447
285	1944	1945	4448	4449
286	1946	1947	4450	4451
287	1948	1949	4452	4453
288	1950	1951	4454	4455
289	1952	1953	4456	4457
290	1954	1955	4458	4459
291	1956	1957	4460	4461
292	1958	1959	4462	4463
. 293	1960	1961	4464	4465
294	1962	1963	4466	4467
295	1964	1965	4468	4469
296	1966	1967	4470	4471
297	1970	1971	4474	4475
298	1972	1973	4476	4477
299	1974	1975	4478	4479
300	1976	1977	4480	4481
301	1978	1979	4482	4483
302	1980	1981	4484	4485
303	1984	1985	4488	4489
304	1986	1987	4490	4491
305	1988	1989	4492	4493
306	1990	1991	4494	4495
307	1992	1993	4496	4497
308	1994	1995	4498	4499
309	1996	1997	4500	4501
310	1998	1999	4502	4503
311	2000	2001	4504	4505
312	2002	2003	4506	4507
313	2004	2005	4508	4509
314	2006	2007	4510	4511
314	2006	2007	4510	4511

		104	7	
315	2008	2009	4512	4513
316	2010	2011	4514	4515
317	2012	2013	4516	4517
318	2014	2015	4518	4519
319	2016	2017	4520	4521
320	2018	2019	4522	4523
321	2020	2021	4524	4525
322	2022	2023	4526	4527
323	2026	2027	4530	4531
324	2024	2025	4528	4529
325	2028	2029	4532	4533
326	2030	2031	4534	4535
327	2032	2033	4536	4537
328	2034	2035	4538	4539
329	2038	2039	4542	4543
330	2040	2041	4544	4545
331	2042	2043	4546	4547
332	2044	2045	4548	4549
333	2046	2047	4550	4551
334	2048	2049	4552	4553
335	2050	2051	4554	4555
336	2052	2053	4556	4557
337	2054	2055	4558	4559
338	2056	2057	4560	4561
339	2058	2059	4562	4563
340	2060	2061	4564	4565
341	2062	2063	4566	4567
342	2064	2065	4568	4569
343	2066	2067	4570	4571
344	2068	2069	4572	4573
345	2070	2071	4574	4575
346	2072	2073	4576	4577
347	2074	2075	4578	4579
348	2076	2077	4580	4581
349	2078	2079	4582	4583

350 351 352 353 354 355	2080 2082 2084 2088 2090 2092	2081 2083 2085 2089 2091	4584 4586 4588 4592	4585 4587 4589
352 353 354 355	2084 2088 2090	2085 2089	4588	
353 354 355	2088	2089		4589
354 355	2090		4592	1
355		2091	7572	4593
	2092	1	4594	4595
		2093	4596	4597
356	2094	2095	4598	4599
357	2096	2097	-4600	4601
358	2100	2101	4604	4605
359	2102	2103	4606	4607
360	2104	2105	4608	4609
361	2106	2107	4610	4611
362	2108	2109	4612	4613
. 363	2110	2111	4614	4615
364	2112	2113	4616	4617
365	2114	2115	4618	4619
366	2116	2117	4620	4621
367	2118	2119	4622	4623
368	2120	2121	4624	4625
369	2122	2123	4626	4627
370	2124	2125	4628	4629
371	2128	2129	4632	4633
372	2130	2131	4634	4635
373	2134	2135	4638	4639
374	2136	2137	4640	4641
375	2138	2139	4642	4643
376	2140	2141	4644	4645
377	2142	2143	4646	4647
378	2144	2145	4648	4649
379	2146	2147	4650	4651
380	2148	2149	4652	4653
381	2150	2151	4654	4655
382	2152	2153	4656	4657
383	2154	2155	4658	4659
384	2156	2157	4660	4661

205	2150	1		
385	2158	2159	4662	4663
386	2160	2161	4664	4665
387	2162	2163	4666	4667
388	2164	2165	4668	4669
389	2170	2171	4674	4675
390	2172	2173	4676	4677
391	2174	2175	4678	4679
392	2176	2177	4680	4681
393	2178	2179	4682	4683
394	2180	2181	4684	4685
395	2182	2183	4686	4687
396	2186	2187	4690	4691
397	2190	2191	4694	4695
398	2188	2189	4692	4693
399	2194	2195	4698	4699
400	2192	2193	4696	4697
401	2196	2197	4700	4701
402	2200	2201	4704	4705
403	2198	2199	4702	4703
404	2202	2203	4706	4707
405	2204	2205	4708	4709
406	2206	2207	4710	4711
407	2208	2209	4712	4713
408	2210	2211	4714	4715
409	2212	2213	4716	4717
410	2214	2215	4718	4719
411	2216	2217	4720	4721
412	2218	2219	4722	4723
413	2220	2221	4724	4725
414	2222	2223	4726	4727
415	2224	2225	4728	4729
416	2226	2227	4730	4731
417	2228	2229	4732	4733
418	2230	2231	4734	4735
419	2232	2233	4736	4737
		1		,

420	2234.	2235	4738	4739
421	2236	2237	4740	4741
422	2238	2239	4742	4743
423	2242	2243	4746	4747
424	2244	2245	4748	4749
425	2246	2247	4750	4751
426	2248	2249	4752	4753
427	2250	2251	- 4754	4755
428	2252	2253	4756	4757
429	2254	2255	4758	4759
430	2256	2257	4760	4761
431	2258	2259	4762	4763
432	2260	2261	4764	4765
. 433	2262	2263	4766	4767
434	2266	2267	4770	4771
435	2264	2265	4768	4769
436	2268	2269	4772	4773
437	2270	2271	4774	4775
438	2272	2273	4776	4777
439	2274	2275	4778	4779
440	2278	2279	4782	4783
441	2280	2281	4784	4785
442	2282	2283	4786	4787
443	2284	2285	4788	4789
444	2286	2287	4790	4791
445	2288	2289	4792	4793
446	2290	2291	4794	4795
447	2292	2293	4796	4797
448	2294	2295	4798	4799
449	2296	2297	4800	4801
450	2298	2299	4802	4803
451	2304	2305	4808	4809
452	2306	2307	4810	4811
453	2308	2309	4812	4813
454	2310	2311	4814	4815
			L	



455	2312	2313	4816	4817
456	2314	2315	4818	4819
457	2316	2317	4820	4821
458	2318	2319	4822	4823
459	2320	2321	4824	4825
460	2322	2323	4826	4827
461	2324	2325	4828	4829
462	2326	2327	-4830	4831
463	2328	2329	4832	4833
464	2332	2333	4836	4837
465	2334	2335	4838	4839
466	2338	2339	4842	4843
467	2340	2341	4844	4845
468	2342	2343	4846	4847
469	2344	2345	4848	4849
470	2346	2347	4850	4851
471	2348	2349	4852	4853
472	2350	2351	4854	4855
473	2352	2353	4856	4857
474	2356	2357	4860	4861
475	2354	2355	4858	4859
476	2358	2359	4862	4863
477	2360	2361	4864	4865
478	2362	2363	4866	4867
479	2364	2365	4868	4869
480	2366	2367	4870	4871
481	2368	2369	4872	4873
482	2370	2371	4874	4875
483	2372	2373	4876	4877
484	2374	2375	4878	4879
485	2376	2377	4880	4881
486	2378	2379	4882	4883
487	2380	2381	4884	4885
488	2382	2383	4886	4887
489	2384	2385	4888	4889

2386	2387	4890	4891
2388	2389	4892	4893
2390	2391	4894	4895
2392	2393	4896	4897
2394	2395	4898	4899
2396	2397	4900	4901
2398	2399	4902	4903
2400	2401	- 4904	4905
2402	2403	4906	4907
2404	2405	4908	4909
2406	2407	4910	4911
2408	2409	4912	4913
2410	2411	4914	4915
2412	2413	4916	4917
2414	2415	4918	4919
2416	2417	4920	4921
2418	2419	4922	4923
2420	2421	4924	4925
2422	2423	4926	4927
2426	2427	4930	4931
2424	2425	4928	4929
2430	2431	4934	4935
2428	2429	4932	4933
2432	2433	4936	4937
2434	2435	4938	4939
2436	2437	4940	4941
2438	2439	4942	4943
2440	2441	4944	4945
2442	2443	4946	4947
2444	2445	4948	4949
2446	2447	4950	4951
2450	2451	4954	4955
2454	2455	4958	4959
2456	2457	4960	4961
2458	2459	4962	4963
	2388 2390 2392 2394 2396 2398 2400 2402 2404 2406 2408 2410 2412 2414 2416 2418 2420 2422 2426 2424 2430 2428 2432 2434 2436 2438 2440 2442 2444 2446 2450 2454	2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2430 2431 2428 2429 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2450 2451 2454 2455 2456 2457	2388 2389 4892 2390 2391 4894 2392 2393 4896 2394 2395 4898 2396 2397 4900 2398 2399 4902 2400 2401 -4904 2402 2403 4906 2404 2405 4908 2406 2407 4910 2408 2409 4912 2410 2411 4914 2412 2413 4916 2414 2415 4918 2416 2417 4920 2418 2419 4922 2420 2421 4924 2422 2423 4926 2424 2425 4928 2430 2431 4934 2428 2429 4932 2432 2433 4936 2434 2435 4938 2436 2437 4940

p			v	
525	2460	2461	4964	4965
526	2462	2463	4966	4967
527	2466	2467	4970	4971
528	2464	2465	4968	4969
529	2468	2469	4972	4973
530	2470	2471	4974	4975
531	2472	2473	4976	4977
532	2474	2475	4978	4979
533	2476	2477	4980	4981
534	2478	2479	4982	4983
535	2480	2481	4984	4985
536	2482	2483	4986	4987
537	2486	2487	4990	4991
538	2488	2489	4992	4993
539	2490	2491	4994	4995
540	2492	2493	4996	4997
541	2494	2495	4998	4999
542	2496	2497	5000	5001
543	2498	2499	5002	5003
544	2500	2501	5004	5005
545	2502	2503	5006	5007
546	2504	2505	5008	5009
547 ·	2506	2507	5010	5011
548	2508	2509	5012	5013
549	2510	2511	5014	5015
550	2514	2515	5018	5019
551	2516	2517	5020	5021
552	2518	2519	5022	5023
553	2520	2521	5024	5025
554	2522	2523	5026	5027
555	2524	2525	5028	5029
556	2526	2527	5030	5031
557	2528	2529	5032	5033
558	2532	2533	5036	5037
559	2534	2535	5038	5039

560	2536	2537	5040	5041
561	2538	2539	5042	5043
562	2544	2545	5048	5049
563	2546	2547	- 5050	5051
564	2548	2549	5052	5053
565	2552	2553	5056	5057
566	2550	2551	5054	5055
567	2554	2555	- 5058	5059
568	2556	2557	5060	5061
569	2558	2559	5062	5063
570	2560	2561	5064	5065
571	2562	2563	5066	5067
572	2564	2565	5068	5069
573	2566	2567	5070	5071
574	2568	2569	5072	5073
575	2570	2571	5074	5075
576	2572	2573	5076	5077
577	2574	2575	5078	5079
578	2576	2577	5080	5081
579	2578	2579	5082	5083
580	2580	2581	5084	5085
581	2582	2583	5086	5087
582	2590	2591	5094	5095
583	2592	2593	5096	5097
584	2594	2595	5098	5099
585	2596	2597	5100	5101
586	2598	2599	5102	5103
587	2600	2601	5104	5105
588	2602	2603	5106	5107
589	2604	2605	5108	5109
590	2606	2607	5110	5111
591	2608	2609	5112	5113
592	2610	2611	5114	5115
593	2612	2613	5116	5117
594	2616	2617	5120	5121

595	2618.	2610	Ţ 	
	2010.	2619	5122	5123
596	2620	2621	5124	5125
597	2622	2623	5126	5127
598	2624	2625	5128	5129
599	2626	2627	5130	5131
600	2628	2629	5132	5133
601	2630	2631	5134	5135
602	2632	2633	- 5136	5137
603	2634	2635	5138	5139
604	2636	2637	5140	5141
605	2638	2639	5142	5143
606	2640	2641	5144	5145
607	2642	2643	5146	5147
608	2644	2645	5148	5149
609	2646	2647	5150	5151
610	2650	2651	5154	5155
611	2648	2649	5152	5153
612	2652	2653	5156	5157
613	2654	2655	5158	5159
614	2656	2657	5160	5161
615	2658	2659	5162	5163
616	2660	2661	5164	5165
617	2662	2663	5166	5167
618	2664	2665	5168	5169
619	2666	2667	5170	5171
620	2668	2669	5172	5173
621	2672	2673	5176	5177
622	2674	2675	5178	5179
623	2678	2679	5182	5183
624	2676	2677	5180	5181
625	2680	2681	5184	5185
626	2682	2683	5186	5187
627	2684	2685	5188	5189
628	2686	2687	5190	5191
629	2688	2689	5192	5193

630	2690	2691	5194	5195
631	2692	2693	5196	5197
632	2696	2697	5200	5201
633	2698	2699	5202	5203
634	2700	2701	5204	5205
635	2702	2703	5206	5207
636	2704	2705	5208	5209
637	2706	2707	- 5210	5211
638	2710	2711	5214	5215
639	2712	2713	5216	5217
640	2714	2715	5218	5219
641	2716	2717	5220	5221
642	2718	2719	5222	5223
643	2720	2721	5224	5225
644	2722	2723	5226	5227
645	2724	2725	5228	5229
646	2726	2727	5230	5231
647	2728	2729	5232	5233
648	2732	2733	5236	5237
649	2736	2737	5240	5241
650	2738	2739	5242	5243
651	2740	2741	5244	5245
652	2742	2743	5246	5247
653	2744	2745	5248	5249
654	2748	2749	5252	5253
655	2750	2751	5254	5255
656	2752	2753	5256	5257
657	2754	2755	5258	5259
658	2756	2757	5260	5261
659	2758	2759	5262	5263
660	2760	2761	5264	5265
661	2762	2763	5266	5267
662	2764	2 765	5268	5269
663	2766	2767	5270	5271
664	2768	2769	5272	5273

194

665	2770	2771	5274	5275
666	2772	2773	5276	5277
667	2774	2775	5278	5279
668	2776	2777	5280	5281
669	2778	2779	5282	5283
670	2780	2781	5284	5285
671	2782	2783	5286	5287
672	2784	2785	- 5288	5289
673	2786	2787	5290	5291
674	2788	2789	5292	5293
675	2790	2791	5294	5295
676	2792	2793	5296	5297
677	2794	2795	5298	5299
678	2796	2797	5300	5301
679	2798	2799	5302	5303
680	2800	2801	5304	5305
681	2804	2805	5308	5309
682	2806	2807	5310	5311
683	2808	2809	5312	5313
684	2810	2811	5314	5315
685	2812	2813	5316	5317
686	2814	2815	5318	5319
687	2816	2817	5320	5321
688	2818	2819	5322	5323
689	2820	2821	5324	5325
690	2822	2823	5326	5327
691	2824	2825	5328	5329
692	2826	2827	5330	5331
693	2828	2829	5332	5333
694	2830	2831	5334	5335
695	2832	2833	5336	5337
696	2834	2835	5338	5339
697	2836	2837	5340	5341
698	2838	2839	5342	5343
699	2840	2841	5344	5345

	· · · · · · · · · · · · · · · · · · ·	13.		
700	2842	2843	5346	5347
701	2844	2845	5348	5349
702	2846	2847	5350	5351
703	2848	2849	5352	5353
704	2850	2851	5354	5355
705	2852	2853	5356	5357
706	2854	2855	5358	5359
707	2856	2857	- 5360	5361
708	2858	2859	5362	5363
709	2860	2861	5364	5365
710	2862	2863	5366	5367
711	2864	2865	5368	5369
712	2866	2867	5370	5371
713	2868	2869	5372	5373
714	2870	2871	5374	5375
715	2872	2873	5376	5377
716	2874	2875	5378	5379
717	2876	2877	5380	5381
718	2878	2879	5382	5383
719	2880	2881	5384	5385
720	2882	2883	5386	5387
721	2886	2887	5390	5391
722	2888	2889	5392	5393
723	2884	2885	5388	5389
724	2890	2891	5394	5395
725	2892	2893	5396	5397
726	2894	2895	5398	5399
727	2896	2897	5400	5401
728	2900	2901	5404	5405
729	2902	2903	5406	5407
730	2904	2905	5408	5409
731	2906	2907	5410	5411
732	2908	2909	5412	5413
733	2910	2911	5414	5415
734	2912	2913	5416	5417
	<u></u>	L	<u> </u>	

735	2914	2915	5418	5419
736	2916	2917	5420	5421
737	2918	2919	5422	5423
738	2920	2921	5424	5425
739	2922	2923	5426	5427
740	2924	2925	5428	5429
741	2926	2927	5430	5431
742	2928	2929	- 5432	5433
743	2930	2931	5434	5435
744	2932	2933	5436	5437
745	2934	2935	5438	5439
746	2936	2937	5440	5441
747	2938	2939	5442	5443
748	2940	2941	5444	5445
749	2942	2943	5446	5447
750	2944	2945	5448	5449
751	2946	2947	5450	5451
752	2948	2949	5452	5453
753	2952	2953	5456	5457
754	2954	2955	5458	5459
755	2956	2957	5460	5461
756	2958	2959	5462	5463
757	2960	2961	5464	5465
758	2962	2963	5466	5467
759	2964	2965	5468	5469
760	2966	2967	5470	5471
761	2968	2969	5472	5473
762	2970	2971	5474	5475
763	2972	2973	5476	5477
764	2974	2975	5478	5479
765	2976	2977	5480	5481
766	2978	2979	5482	5483
767	2980	2981	5484	5485
768	2982	2983	5486	5487
769	2984	2985	5488	5489

770	2986	2987	5490	5491
771	2990	2991	5494	5495
772	2992	2993	5496	5497
773	2994	2995	5498	5499
774	2996	2997	5500	5501
775	2998	2999	5502	5503
776	3000	3001	5504	5505
-777	3002	3003	- 5506	5507
778	3004	3005	5508	5509
779	3006	3007	5510	5511
780	3008	3009	5512	5513
781	3010	3011	5514	5515
782	3012	3013	5516	5517
. 783	3014	3015	5518	5519
784	3016	3017	5520	5521
785	3020	3021	5524	5525
786	3022	3023	5526	5527
787	3024	3025	5528	5529
788	3026	3027	5530	5531
789	3028	3029	5532	5533
790	3030	3031	5534	5535
79,1	3032	3033	5536	5537
792	3034	3035	5538	5539
793	3036	3037	5540	5541
794	3038	3039	5542	5543
795	3040	3041	5544	5545
796	3042	3043	5546	5547
797	3044	3045	5548	5549
798	3046	3047	5550	5551
799	3048	3049	5552	5553
800	3050	3051	5554	5555
801	3052	3053	5556	5557
802	3054	3055	5558	5559
803	3056	3057	5560	5561
804	3058	3059	5562	5563

805	3060	3061	5564	5565
806	3062	3063	5566	5567
807	3064	3065	5568	5569
808	3066	3067	5570	5571
809	3068	3069	5572	5573
810	3070	3071	5574	5575
811	3072	3073	5576	5577
812	3074	3075	- 5578	5579
813	3076	3077	5580	5581
814	3078	3079	5582	5583
815	3080	3081	5584	5585
816	3082	3083	5586	5587
817	3084	3085	5588	5589
818	3086	3087	5590	5591
819	3088	3089	5592	5593
820	3090	3091	5594	5595
821	3092	3093	5596	5597
822	3094	3095	5598	5599
823	3096	3097	5600	5601
824	3100	3101	5604	5605
825	3102	3103	5606	5607
826	3104	3105	5608	5609
827	3106	3107	5610	5611
828	3108	3109	5612	5613
829	3110	3111	5614	5615
830	3112	3113	5616	5617
831	3114	3115	5618	5619
832	3116	3117	5620	5621
833	3120	3121	5624	5625
834	3124	3125	5628	5629
835	3122	3123	5626	5627
836	3128	3129	5632	5633
837	3130	3131	5634	5635
838	3132	3133	5636	5637
839	3134	3135	5638	5639

840	3136	3137	5640	5641
841	3138	3139	5642	5643
842	3140	3141	5644	5645
843	3142	3143	5646	5647
844	3144	3145	5648	5649
845	3146	3147	5650	5651
846	3148	3149	5652	5653
847	3150	3151	- 5654	5655
848	3152	3153	5656	5657
849	3154	3155	5658	5659
850	3156	3157	5660	5661
851	3158	3159	5662	5663
852	3160	3161	5664	5665
. 853	3164	3165	5668	5669
854	3162	3163	5666	5667
855	3166	3167	5670	5671
856	3168	3169	5672	5673
857	3170	3171	5674	5675
858	3172	3173	5676	5677
859	3174	3175	5678	5679
860	3176	3177	5680	5681
861	3180	3181	5684	5685
862	3178	3179	5682	5683
863	3182	3183	5686	5687
864	3184	3185	5688	5689
865	3186	3187	5690	5691
866	3188	3189	5692	5693
867	3190	3191	5694	5695
868	3192	3193	5696	5697
869	3194	3195	5698	5699
870	3196	3197	5700	5701
871	3198	3199	5702	5703
872	3200	3201	5704	5705
873 -	3202	3203	5706	5707
874	3204	3205	5708	5709

875	3206	3207	5710	5711
876	3210	3211	5714	5715
877	3212	3213	5716	5717
878	3214	3215	5718	5719
879	3216	3217	5720	5721
880	3218	3219	5722	5723
881	3220	3221	5724	5725
882	3222	3223	- 5726	5727
883	3224	3225	5728	5729
884	3226	3227	5730	5731
885	3228	3229	5732	5733
886	3230	3231	5734	5735
887	3232	3233	5736	5737
888	3234	3235	5738	5739
889	3236	3237	5740	5741
890	3238	3239	5742	5743
891	3240	3241	5744	5745
892	3244	3245	5748	5749
893	3246	3247	5750	5751
894	3248	3249	5752	5753
895	3250	3251	5754	5755
896	3252	3253	5756	5757
897	3254	3255	5758	5759
898	3256	3257	5760	5761
899	3258	3259	5762	5763
900	3260	3261	5764	5765
901	3262	3263	5766	5767
902	3264	3265	5768	5769
903	3266	3267	5770	5771
904	3268	3269	5772	5773
905	3270	3271	5774	5775
906	3272	3273	5776	5777
907	3274	3275	5778	5779
908	3276	3277	5780	5781
909	3278	3279	5782	5783

910	3280	3281	5784	5785
911	3282	3283	5786	5787
912	3284	3285	5788	5789
913	3286	3287	5790	5791
914	3288	3289	5792	5793
915	3290	3291	5794	5795
916	3292	3293	5796	5797
917	3296	3297	-5800	5801
918	3298	3299	5802	5803
919	3300	3301	5804	5805
920	3302	3303	5806	5807
921	3304	3305	5808	5809
922	3306	3307	5810	5811
. 923	3308	3309	5812	5813
924	3310	3311	5814	5815
925	3316	3317	5820	5821
926	3314	3315	5818	5819
927	3324	3325	5828	5829
928	3326	3327	5830	5831
929	3328	3329	5832	.5833
930	3330	3331	5834	5835
931	3338	3339	5842	5843
932	3336	3337	5840	5841
933	3340	3341	5844	5845
934	3342	3343	5846	5847
935	3344	3345	5848	5849
936	3346	3347	5850	5851
937	3348	3349	5852	5853
938	3350	3351	5854	5855
939	3352	3353	5856	5857
940	3354	3355	5858	5859
941	3356	3357	5860	5861
942	3360	3361	5864	5865
943	3362	3363	5866	5867
944	3364	3365	5868	5869

945 3366 3367 5870 5871 946 3368 3369 5872 5873 947 3370 3371 5874 5875 948 3374 3375 5878 5879 949 3378 3379 5882 5883 950 3376 3377 5880 5881 951 3380 3381 5884 5885 952 3382 3383 5886 5887 953 3384 3385 5888 5889 954 3386 3387 5890 5891 955 3388 3389 5892 5893 956 3390 3391 5894 5895 957 3392 3393 5896 5897 958 3394 3395 5898 5899 959 3396 3397 5900 5901 960 3398 3399 5902 5903 </th <th></th> <th></th> <th></th> <th></th> <th></th>					
947 3370 3371 5874 5875 948 3374 3375 5878 5879 949 3378 3377 5880 5881 950 3376 3377 5880 5881 951 3380 3381 5884 5885 952 3382 3383 5886 5887 953 3384 3385 5886 5887 953 3384 3385 588 5889 954 3386 3387 5890 5891 955 3388 3389 5892 5893 956 3390 3391 5894 5895 957 3392 3393 5896 5897 958 3394 3395 5898 5899 959 3396 3397 5900 5901 960 3398 3399 5902 5903 961 3400 3401 5904 5905 <td>945</td> <td>3366</td> <td>3367</td> <td>5870</td> <td>5871</td>	945	3366	3367	5870	5871
948 3374 3375 5878 5879 949 3378 3379 5882 5883 950 3376 3377 5880 5881 951 3380 3381 5884 5885 952 3382 3383 5886 5887 953 3384 3385 5888 5889 954 3386 3387 5890 5891 955 3388 3389 5892 5893 956 3390 3391 5894 5895 957 3392 3393 5896 5897 958 3394 3395 5898 5899 959 3396 3397 5900 5901 960 3398 3399 5902 5903 961 3400 3401 5904 5905 962 3402 3403 5906 5907 963 3404 3405 5908 5909 </td <td>946</td> <td>3368</td> <td>3369</td> <td>5872</td> <td>5873</td>	946	3368	3369	5872	5873
949 3378 3379 5882 5883 950 3376 3377 5880 5881 951 3380 3381 5884 5885 952 3382 3383 5886 5887 953 3384 3385 5888 5889 954 3386 3387 5890 5891 955 3388 3389 5892 5893 956 3390 3391 5894 5895 957 3392 3393 5896 5897 958 3394 3395 5898 5899 959 3396 3397 5900 5901 960 3398 3399 5902 5903 961 3400 3401 5904 5905 962 3402 3403 5906 5907 963 3404 3405 5908 5909 964 3408 3409 5912 5913 </td <td>947</td> <td>3370</td> <td>3371</td> <td>5874</td> <td>5875</td>	947	3370	3371	5874	5875
950 3376 3377 5880 5881 951 3380 3381 5884 5885 952 3382 3383 5886 5887 953 3384 3385 5888 5889 954 3386 3387 5890 5891 955 3388 3389 5892 5893 956 3390 3391 5894 5895 957 3392 3393 5896 5897 958 3394 3395 5898 5899 959 3396 3397 5900 5901 960 3398 3399 5902 5903 961 3400 3401 5904 5905 962 3402 3403 5906 5907 963 3404 3405 5908 5909 964 3406 3407 5910 5911 965 3408 3409 5912 5913 </td <td>948</td> <td>3374</td> <td>3375</td> <td>5878</td> <td>5879</td>	948	3374	3375	5878	5879
951 3380 3381 5884 5885 952 3382 3383 5886 5887 953 3384 3385 5888 5889 954 3386 3387 5890 5891 955 3388 3389 5892 5893 956 3390 3391 5894 5895 957 3392 3393 5896 5897 958 3394 3395 5898 5899 959 3396 3397 5900 5901 960 3398 3399 5902 5903 961 3400 3401 5904 5905 962 3402 3403 5906 5907 963 3404 3405 5908 5909 964 3406 3407 5910 5911 965 3408 3409 5912 5913 966 3410 3411 5914 5915 </td <td>949</td> <td>3378</td> <td>3379</td> <td>5882</td> <td>5883</td>	949	3378	3379	5882	5883
952 3382 3383 5886 5887 953 3384 3385 5888 5889 954 3386 3387 5890 5891 955 3388 3389 5892 5893 956 3390 3391 5894 5895 957 3392 3393 5896 5897 958 3394 3395 5898 5899 959 3396 3397 5900 5901 960 3398 3399 5902 5903 961 3400 3401 5904 5905 962 3402 3403 5906 5907 963 3404 3405 5908 5909 964 3406 3407 5910 5911 965 3408 3409 5912 5913 966 3410 3411 5914 5915 968 3414 3415 5918 5919 </td <td>950</td> <td>3376</td> <td>3377</td> <td>5880</td> <td>5881</td>	950	3376	3377	5880	5881
953 3384 3385 5888 5889 954 3386 3387 5890 5891 955 3388 3389 5892 5893 956 3390 3391 5894 5895 957 3392 3393 5896 5897 958 3394 3395 5898 5899 959 3396 3397 5900 5901 960 3398 3399 5902 5903 961 3400 3401 5904 5905 962 3402 3403 5906 5907 963 3404 3405 5908 5909 964 3406 3407 5910 5911 965 3408 3409 5912 5913 966 3410 3411 5914 5915 967 3412 3413 5916 5917 968 3414 3415 5918 5919 </td <td>951</td> <td>3380</td> <td>3381</td> <td>5884</td> <td>5885</td>	951	3380	3381	5884	5885
954 3386 3387 5890 5891 955 3388 3389 5892 5893 956 3390 3391 5894 5895 957 3392 3393 5896 5897 958 3394 3395 5898 5899 959 3396 3397 5900 5901 960 3398 3399 5902 5903 961 3400 3401 5904 5905 962 3402 3403 5906 5907 963 3404 3405 5908 5909 964 3406 3407 5910 5911 965 3408 3409 5912 5913 966 3410 3411 5914 5915 967 3412 3413 5916 5917 968 3414 3415 5918 5919 970 3418 3419 5922 5923 </td <td>952</td> <td>3382</td> <td>3383</td> <td>- 5886</td> <td>5887</td>	952	3382	3383	- 5886	5887
955 3388 3389 5892 5893 956 3390 3391 5894 5895 957 3392 3393 5896 5897 958 3394 3395 5898 5899 959 3396 3397 5900 5901 960 3398 3399 5902 5903 961 3400 3401 5904 5905 962 3402 3403 5906 5907 963 3404 3405 5908 5909 964 3406 3407 5910 5911 965 3408 3409 5912 5913 966 3410 3411 5914 5915 967 3412 3413 5916 5917 968 3414 3415 5918 5919 969 3416 3417 5920 5921 970 3418 3419 5922 5923 </td <td>953</td> <td>3384</td> <td>3385</td> <td>5888</td> <td>5889</td>	953	3384	3385	5888	5889
956 3390 3391 5894 5895 957 3392 3393 5896 5897 958 3394 3395 5898 5899 959 3396 3397 5900 5901 960 3398 3399 5902 5903 961 3400 3401 5904 5905 962 3402 3403 5906 5907 963 3404 3405 5908 5909 964 3406 3407 5910 5911 965 3408 3409 5912 5913 966 3410 3411 5914 5915 967 3412 3413 5916 5917 968 3414 3415 5918 5919 969 3416 3417 5920 5921 970 3418 3419 5922 5923 971 3420 3421 5924 5925 </td <td>954</td> <td>3386</td> <td>3387</td> <td>5890</td> <td>5891</td>	954	3386	3387	5890	5891
957 3392 3393 5896 5897 958 3394 3395 5898 5899 959 3396 3397 5900 5901 960 3398 3399 5902 5903 961 3400 3401 5904 5905 962 3402 3403 5906 5907 963 3404 3405 5908 5909 964 3406 3407 5910 5911 965 3408 3409 5912 5913 966 3410 3411 5914 5915 967 3412 3413 5916 5917 968 3414 3415 5918 5919 969 3416 3417 5920 5921 970 3418 3419 5922 5923 971 3420 3421 5924 5925 972 3422 3423 5926 5927 </td <td>955</td> <td>3388</td> <td>3389</td> <td>5892</td> <td>5893</td>	955	3388	3389	5892	5893
958 3394 3395 5898 5899 959 3396 3397 5900 5901 960 3398 3399 5902 5903 961 3400 3401 5904 5905 962 3402 3403 5906 5907 963 3404 3405 5908 5909 964 3406 3407 5910 5911 965 3408 3409 5912 5913 966 3410 3411 5914 5915 967 3412 3413 5916 5917 968 3414 3415 5918 5919 969 3416 3417 5920 5921 970 3418 3419 5922 5923 971 3420 3421 5924 5925 972 3422 3423 5926 5927 973 3424 3425 5930 5931 </td <td>956</td> <td>3390</td> <td>3391</td> <td>5894</td> <td>5895</td>	956	3390	3391	5894	5895
959 3396 3397 5900 5901 960 3398 3399 5902 5903 961 3400 3401 5904 5905 962 3402 3403 5906 5907 963 3404 3405 5908 5909 964 3406 3407 5910 5911 965 3408 3409 5912 5913 966 3410 3411 5914 5915 967 3412 3413 5916 5917 968 3414 3415 5918 5919 969 3416 3417 5920 5921 970 3418 3419 5922 5923 971 3420 3421 5924 5925 972 3422 3423 5926 5927 973 3424 3425 5936 5931 975 3428 3429 5932 5933 </td <td>957</td> <td>3392</td> <td>3393</td> <td>5896</td> <td>5897</td>	957	3392	3393	5896	5897
960 3398 3399 5902 5903 961 3400 3401 5904 5905 962 3402 3403 5906 5907 963 3404 3405 5908 5909 964 3406 3407 5910 5911 965 3408 3409 5912 5913 966 3410 3411 5914 5915 967 3412 3413 5916 5917 968 3414 3415 5918 5919 969 3416 3417 5920 5921 970 3418 3419 5922 5923 971 3420 3421 5924 5925 972 3422 3423 5926 5927 973 3424 3425 5928 5929 974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 978	958	3394	3395	5898	5899
961 3400 3401 5904 5905 962 3402 3403 5906 5907 963 3404 3405 5908 5909 964 3406 3407 5910 5911 965 3408 3409 5912 5913 966 3410 3411 5914 5915 967 3412 3413 5916 5917 968 3414 3415 5918 5919 969 3416 3417 5920 5921 970 3418 3419 5922 5923 971 3420 3421 5924 5925 972 3422 3423 5926 5927 973 3424 3425 5928 5929 974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3433 5936 5937 978	959	3396	3397	5900	5901
962 3402 3403 5906 5907 963 3404 3405 5908 5909 964 3406 3407 5910 5911 965 3408 3409 5912 5913 966 3410 3411 5914 5915 967 3412 3413 5916 5917 968 3414 3415 5918 5919 969 3416 3417 5920 5921 970 3418 3419 5922 5923 971 3420 3421 5924 5925 972 3422 3423 5926 5927 973 3424 3425 5928 5929 974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3433 5936 5937 978 3434 3435 5938 5039	960	3398	3399	5902	5903
963 3404 3405 5908 5909 964 3406 3407 5910 5911 965 3408 3409 5912 5913 966 3410 3411 5914 5915 967 3412 3413 5916 5917 968 3414 3415 5918 5919 969 3416 3417 5920 5921 970 3418 3419 5922 5923 971 3420 3421 5924 5925 972 3422 3423 5926 5927 973 3424 3425 5928 5929 974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3434 3435 5936 5937 978 3434 3435 5938 5939	961	3400	3401	5904	5905
964 3406 3407 5910 5911 965 3408 3409 5912 5913 966 3410 3411 5914 5915 967 3412 3413 5916 5917 968 3414 3415 5918 5919 969 3416 3417 5920 5921 970 3418 3419 5922 5923 971 3420 3421 5924 5925 972 3422 3423 5926 5927 973 3424 3425 5928 5929 974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3433 5936 5937 978 3434 3435 5938 5939	962	3402	3403	5906	5907
965 3408 3409 5912 5913 966 3410 3411 5914 5915 967 3412 3413 5916 5917 968 3414 3415 5918 5919 969 3416 3417 5920 5921 970 3418 3419 5922 5923 971 3420 3421 5924 5925 972 3422 3423 5926 5927 973 3424 3425 5928 5929 974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3433 5936 5937 978 3434 3435 5938 5939	963	3404	3405 -	5908	5909
966 3410 3411 5914 5915 967 3412 3413 5916 5917 968 3414 3415 5918 5919 969 3416 3417 5920 5921 970 3418 3419 5922 5923 971 3420 3421 5924 5925 972 3422 3423 5926 5927 973 3424 3425 5928 5929 974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3433 5936 5937 978 3434 3435 5938 5030	964	3406	3407	5910	5911
967 3412 3413 5916 5917 968 3414 3415 5918 5919 969 3416 3417 5920 5921 970 3418 3419 5922 5923 971 3420 3421 5924 5925 972 3422 3423 5926 5927 973 3424 3425 5928 5929 974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3433 5936 5937 978 3434 3435 5938 5939	965	3408	3409	5912	5913
968 3414 3415 5918 5919 969 3416 3417 5920 5921 970 3418 3419 5922 5923 971 3420 3421 5924 5925 972 3422 3423 5926 5927 973 3424 3425 5928 5929 974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3433 5936 5937 978 3434 3435 5938 5939	966	3410	3411	5914	5915
969 3416 3417 5920 5921 970 3418 3419 5922 5923 971 3420 3421 5924 5925 972 3422 3423 5926 5927 973 3424 3425 5928 5929 974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3433 5936 5937 978 3434 3435 5938 5939	967	3412	3413	5916	5917
970 3418 3419 5922 5923 971 3420 3421 5924 5925 972 3422 3423 5926 5927 973 3424 3425 5928 5929 974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3433 5936 5937 978 3434 3435 5938 5939	968	3414	3415	5918	5919
971 3420 3421 5924 5925 972 3422 3423 5926 5927 973 3424 3425 5928 5929 974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3433 5936 5937 978 3434 3435 5938 5939	969	3416	3417	5920	5921
972 3422 3423 5926 5927 973 3424 3425 5928 5929 974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3433 5936 5937 978 3434 3435 5938 5939	970	3418	3419	5922	5923
973 3424 3425 5928 5929 974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3433 5936 5937 978 3434 3435 5938 5939	971	3420	3421	5924	5925
974 3426 3427 5930 5931 975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3433 5936 5937 978 3434 3435 5938 5938	972	3422	3423	5926	5927
975 3428 3429 5932 5933 976 3430 3431 5934 5935 977 3432 3433 5936 5937 978 3434 3435 5938 5938	973	3424	3425	5928	5929
976 3430 3431 5934 5935 977 3432 3433 5936 5937 978 3434 3435 5938 5939	974	3426	3427	5930	5931
977 3432 3433 5936 5937 978 3434 3435 5938 5939	975	3428	3429	5932	5933
978 3434 3435 5038 5030	976	3430	3431	5934	5935
978 3434 3435 5938 5939	977	3432	3433	5936	5937
3333	978	3434	3435	5938	5939
979 3436 3437 5940 5941	979	3436	3437	5940	5941

980	3438	3439	5942	5943
981	3440	3441	5944	5945
982	3442	3443	5946	5947
983	3444	3445	5948	5949
984	3446	3447	5950	5951
985	3448	3449	5952	5953
986	3450	3451	5954	5955
987	3454	3455	- 5958	5959
988	3456	3457	5960	5961
989	3458	3459	5962	5963
990	3460	3461	5964	5965
991	3462	3463	5966	5967
992	3464	3465	5968	5969
. 993	3466	3467	5970	5971
994	3468	3469	5972	5973
995	3470	3471	5974	5975
996	3472	3473	5976	5977
997	3474	3475	5978	5979
998	3476	3477	5980	5981
999	3478	3479	5982	5983
1000	3480	3481	5984	5985
100,1	3482	3483	5986	5987
1002	3484	3485	5988	5989
1003	3486	3487	5990	5991
1004	3488	3489	5992	5993
1005	3490	3491	5994	5995
1006	3494	3495	5998	5999
1007	3496	3497	6000	6001
1008	3498	3499	6002	6003
1009	3500	3501	6004	6005
1010	3502	3503	6006	6007
1011	3504	3505	6008	6009
1012	3506	3507	6010	6011
1013	3508	3509	6012	6013
1014	3510	3511	6014	6015
	<u> </u>	<u> </u>	L	·

		204		
1015	3512	3513	6016	6017
1016	3516	3517	6020	6021
1017	3518	3519	6022	6023
1018	3520	3521	6024	6025
1019	3522	3523	6026	6027
1020	3524	3525	6028	6029
1021	3526	3527	6030	6031
1022	3528	3529	- 6032	6033
1023	3530	3531	6034	6035
1024	3532	3533	6036	6037
1025	3534	3535	6038	6039
1026	3536	3537	6040	6041
1027	3542	3543	6046	6047
1028	3544	3545	6048	6049
1029	3546	3547	6050	6051
1030	3548	3549	6052	6053
1031	3550	3551	6054	6055
1032	3552	3553	6056	6057
1033	3554	3555	6058	6059
1034	3556	3557	6060	6061
1035	3558	3559	6062	6063
1036	3560	3561	6064	6065
1037	3562	3563	6066	6067
1037	3564	3565	6068	6069
1038	3566	3567	6070	6071
			6072	6073
1040	3568	3569		6075
1041	3570	3571	6074	
1042	3572	3573	6076	6077
1043	3574	3575	6078	6079
1044	3582	3583	6086	6087
1045	3584	3585	6088	6089
1046	3586	3587	6090	6091
1047	3588	3589	6092	6093
1048	3592	3593	6096	6097
1049	3594	3595	6098	6099

1050	3596.	3597	6100	6101
1051	3598	3599	6102	6103
1052	3600	3601	6104	6105
1053	3602	3603	6106	6107
1054	3604	3605	6108	6109
1055	3606	3607	6110	6111
1056	3608	3609	6112	6113
1057	3610	3611	· 6114	6115
1058	3612	3613	6116	6117
1059	3614	3615	6118	6119
1060	3616	3617	6120	6121
1061	3618	3619	6122	6123
1062	3620	3621	6124	6125
1063	3622	3623	6126	6127
1064	3624	3625	6128	6129
1065	3626	3627	6130	6131
1066	3628	3629	6132	6133
1067	3630	3631	6134	6135
1068	3632	3633	6136	6137
1069	3634	3635	6138	6139
1070	3636	3637	6140	6141
1071	3638	3639	6142	6143
1072	3640	3641	6144	6145
1073	3642	3643	6146	6147
1074	3644	3645	6148	6149
1075	3646	3647	6150	6151
1076	3648	3649	6152	6153
1077	3652	3653	6156	6157
1078	3654	3655	6158	6159
1079	3656	3657	6160	6161
1080	3658	3659	6162	6163
1081	3660	3661	6164	6165
1082	3662	3663	6166	6167
1083-	3666	3667	6170	61,71
1084	3668	3669	6172	6173
	<u> </u>	_L		1

		200		
1085	3672	3673	6176	6177
1086	3674	3675	6178	6179
1087	3676	3677	6180	6181
1088	3678	3679	6182	6183
1089	3680	3681	6184	6185
1090	3682	3683	6186	6187
1091	3684	3685	6188	6189
1092	3686	3687	6190	6191
1093	3688	3689	6192	6193
1094	3690	3691	6194	6195
1095	3692	3693	6196	6197
1096	3694	3695	6198	6199
1097	3696	3697	6200	6201
1098	3698	3699	6202	6203
1099	3702	3703	6206	6207
1100	3700	3701	6204	6205
1101	3704	3705	6208	6209
1102	3706	3707	6210	6211
1103	3708	3709	6212	6213
1104	3714	3715	6218	6219
1105	3720	3721	6224	6225
1106	3722	3723	6226	6227
1107	3724	3725	6228	6229
1108	3726	3727	6230	6231
1109	3728	3729	6232	6233
1110	3730	3731	6234	6235
1111	3732	3733	6236	6237
1112	3734	3735	6238	6239
1113	3736	3737	6240	6241
1114	3740	3741	6244	6245
1115	3738	3739	6242	6243
1116	3742	3743	6246	6247
1117	3744	3745	6248	6249
1118	3746	3747	6250	6251
1119	3748	3749	6252	6253

				60.55
1120	3750	3751	6254	6255
1121	3754	3755	6258	6259
1122	3756	3757	6260	6261
1123	3758	3759	6262	6263
1124	3760	3761	6264	6265
1125	3762	3763	6266	6267
1126	3766	3767	6270	6271
1127	3770	3771	- 6274	6275
1128	3772	3773	6276	6277
1129	3776	3777	6280	6281
1130	3774	3775	6278	6279
1131	3778	3779	6282	6283
1132	3780	3781	6284	6285
. 1133	3782	3783	6286	6287
1134	3784	3785	6288	6289
1135	3788	3789	6292	6293
1136	3786	3787	6290	6291
1137	3794	3795	6298	6299
1138	1372	1373	3876	3877
1139	1378	1379	3882	3883
1140	1384	1385	3888	3889
. 1141,	1390	1391	3894	3895
1142	1408	1409	3912	3913
1143	1436	1437	3940	3941
1144	1442	1443	3946	3947
1145	1466	1467	3970	3971
1146	1474	1475	3978	3979
1147	1528	1529	4032	4033
1148	1560	1561	4064	4065
1149	1578	1579	4082	4083
1150	1600	1601	4104	4105
1151	1602	1603	4106	4107
1152	1608	1609	4112	4113
1153	1610	1611	4114	4115
1154	1654	1655	4158	4159

1155	1660	1661	4164	4165	
1156	1680	1681	4184	4185	
1157	1682	1683	4186	4187	
1158	1692	1693	4196	4197	
1159	1702				
1160	1706	1707	4210	4211	
1161	1716	1717	4220	4221	
1162	1718	1719	4222	4223	
1163	1730	1731	4234	4235	
1164	1748	1749	4252	4253	
1165	1780	1781	4284	4285	
1166	1794	1795	4298	4299	
1167	1798	1799	4302	4303	
1168	1814	1815	4318	4319	
1169	1816	1817	4320	4321	
1170	1820	1821	4324	4325	
1179	1822	1823	4326	4327	
1172	1830	1831	4334	4335	
1172	1832	1833	4336	4337	
1174	1838	1839	4342	4343	
	1844	1845	4348	4349	
1175	1870	1871	4374	4375	
1176	<u> </u>	1881	4384	4385	
1177	1880	1883	4386	4387	
1178	1882		4388	4389	
1179	1884	1885		4437	
1180	1932	1933	4436		
1181	1968	1969	4472	4473	
1182	1982	1983	4486	4487	
1183	2036	2037	4540	4541	
1184	2086	2087	4590	4591	
1185	2098	2099	4602	4603	
1186	2126	2127	4630	4631	
1187	2132	2133	4636	4637	
1188	2166	2167	4670	4671	
1189	2168	2169	4672	` 4673	

		203	_	
1190	2184	2185	4688	4689
1191	2240	2241	4744	4745
1192	2276	2277	4780	4781
1193	2300	2301	4804	4805
1194	2302	2303	4806	4807
1195	2330	2331	4834	4835
1196	2336	2337	4840	4841
1197	2448	2449	. 4952	4953
1198	2452	2453	4956	4957
1199	2484	2485	4988	4989
1200	2512	2513	5016	5017
1201	2530	2 531	5034	5035
1202	2540	2541	5044	5045
1203	2542	2543	5046	5047
1204	2584	2585	5088	5089
1205	2586	2587	5090	5091
1206	2588	2589	5092	5093
1207	2614	2615	5118	5119
1208	2670	2671	5174	5175
1209	2694	2695	5198	5199
1210	2708	2709	5212	5213
1211	2730	2731	5234	5235
1212	2734	2735	5238	5239
1213	2746	2747	5250	5251
1214	2802	2803	5306	5307
1215	2898	2899	5402	5403
1216	2950	2951	5454	5455
1217	2988	2989	5492	5493
1218	3018	3019	5522	5523
1219	3098	3099	5602	5603
1220	3118	3119	5622	5623
1221	3126	3127	5630	5631
1222	3208	3209	5712	5713
1223.	3242	3243	5746	5747
1224	3294	3295	5798	5799

1225	3312	3313	5816	5817
1226	3318	3319	5822	5823
1227	3320	3321	5824	5825
1228	3322	3323	5826	5827
1229	3332	3333	5836	5837
1230	3334	3335	5838	5839
1231	3358	3359	5862	5863
1232	3372	3373	- 5876	5877
1233	3452	3453	5956	5957
1234	3492	3493	5996	5997
1235	3514	3515	6018	6019
1236	3538	3539	6042	6043
1237	3540	3541	6044	6045
1238	3576	3577	6080	6081
1239	3578	3579	6082	6083
1240	3580	3581	6084	6085
1241	3590	3591	6094	6095
1242	3650	3651	6154	6155
1243	3664	3665	6168	6169
1244	3670	3671	6174	6175
1245	3710	3711	6214	6215
1246	3712	3713	6216	6217
1247	3716	3717	6220	6221
1248	3718	3719	6222	6223
1249	3752	3753	6256	6257
1250	3764	3765	6268	6269
1251	3768	3769	6272	6273
1252	3790	3791	6294	6295
1253	3792	3793	6296	6297
1254	6300	6301	6376	6377
1255	6302	6303	6378	6379
1256	6304	6305	6380	6381
1257	6306	6307	6382	6383
1258	6308	6309	6384	6385
1259	6310	6311	6386	6387

1260	6312.	6313	6388	6389
1261	6314	6315	6390	6391
1262	6316	6317	6392	639 3
1263	6318	6319	6394	6395
1264	6320	6321	6396	6397
1265	6322	6323	6398	6399
1266	6324	6325	6400	6401
1267	6326	6327	6402	6403
1268	6328	6329	6404	6405
1269	6330	6331	6406	6407
1270	6332	6333	6408	6409
1271	6334	6335	6410	6411
1272	6336	6337	6412	6413
1273	6338	6339	6414	6415
1274	6340	6341	6416	6417
1275	6342	6343	6418	6419
1276	6344	6345	6420	6421
1277	6346	6347	6422	6423
1278	6348	6349	6424	6425
1279	6350	6351	6426	6427
1280	6352	6353	6428	6429
1281,	6354	6355	6430	6431
1282	6356	6357	6432	6433
1283	6358	6359	6434	6435
1284	6360	6361	6436	6437
1285	6362	6363	6438	6439
1286	6364	6365	6440	6441
1287	6366	6367	6442	6443
1288	6368	6369	6444	6445
1289	6370	6371	6446	6447
1290	6372	6373	6448	6449
1291	6374	6375	6450	6451

TABLE 5

SEQ ID	or.	5'position	SEQ ID	or.	5'position	Γ	SEQ ID	or.	5'position
1292	F	1229848	3012	F	833844		4732	В	455875
1293	F	1227874	3013	F	831936		4733	В	457736
1294	F	1018	3014	F	834905		4734	В	457231
1295	F	1229162	3015	F	832943		4735	В	459146
1296	F	1588	3016	F	835834		4736	В	458008
1297	F	1229711	3017	F	833938		4737	В	459836
1298	F	2253	3018	F	837457		4738	В	458598
1299	F	369	3019	F	835536		4739	В	460488
1300	F	3381	3020	F	838723		4740	В	459717
1301	F	1508	3021	F	836826		4741	В	461652
1302	F	4042	3022	F	840649	1	4742	В	460417
1303	F	2126	3023	F	838723	1	4743	В	462365
1304	F	5735	3024	F	841751	1	4744	В	461391
1305	F	3843	3025	F	839825	1	4745	В	463286
1306	F	7832	3026	F	842960	1 [4746	В	461680
1307	F	5909	3027	F	841123	1	4747	В	463584
1308	F	8887	3028	F	843765	11	4748	В	462520
1309	F	7010	3029	F	841844	11	4749	В	464418
1310	F	10139	3030	F	844768		4750	В	463584
1311	F	8175	3031	F	842852		4751	В	465539
1312	F	10640	3032	F	846089		4752	В	464547
1313	F	8799	3033	F	844175	1	4753	В	466398
1314	F	10997	3034	F	848293		4754	В	465288
1315	F	9037	3035	F	846449		4755	В	467243
1316	F	12458	3036	F	848867		4756	В	465835
1317	F	10572	3037	F	846964	1	4757	В	467738
1318	F	14187	3038	F	850351		4758	В	466558
1319	F	12365	3039	F	848426		4759	В	468474
1320	F	15529	3040	F	851788	1	4760	В	467322
1321	F	13629	3041	F	849899		4761	В	469217
1322	F	17626	3042	F	852166		4762	В	467738
1323	F	15699	3043	F	850278		4763	В	469637
1324	F	20909	3044	F	853976		4764	В	469912

						_	
	1325	F			19006		
	1326	F			21800		
	1327	F			19927		
	1328	F			23462		
	1329	F	7		21557		
	1330	I	7		25637		
	1331	I	7		23729		
	1332]	F		25997		Γ
-	1333]	F		24071		Γ
\vdash	1334]	F		26727		Γ
	1335		F		24828	1	Γ
\vdash	1336		F		27528		
\vdash	1337		F		25628	1	Γ
r	1338	T	F	T	28643	1	
-	1339	T	F		26765	1	
+	1340	T	F	T	29202	٦	T
t	1341	1	F	T	27313	1	
-	1342	\dagger	F	T	29793	1	Ī
t	1343	T	F	T	27835	٦	Ī
t	1344	\dagger	F	T	31488	٦	I
f	1345	†	F	\dagger	29639	٦	
Ì	1346	\dagger	F	†	31957		
t	1347	†	F	+	30050		
	1348	1	F	1	33570		
Ī	1349	1	F	1	31666		
	1350		F	7	34564		
	1351		F	7	32664		
	1352		F	1	35783		
	1353		F		33875		1
	1354		F		37597		
	1355		F		35741		1
	1356		F	;	39135		1
	1357		I	7	37236		
	1358		1	7.	- 38939		1
	1359		T	F	37038	_	1
	L						_

			2 1			_	
	3045	F	T		852069		
	3046	F			854899	Ī	
	3047	F	7		853006		
	3048	I	7		855595		
	3049	I	7		853679		
	3050]	7		856479		
	3051]	F		854582		
_	3052]	F		858498		Γ
	3053	1	F		856492		
	3054		F		859372		Γ
	3055		F		857424		
	3056		F		860050		
Γ	3057		F		858116		
	3058	T	F		860941		
	3059	T	F		859023		
r	3060		F	T	861464		
l	3061	1	F	T	859572		
ľ	3062	1	F	T	862749	1	
l	3063	†	F	1	860895	1	
t	3064	†	F	1	864599	1	
ľ	3065	1	F	1	862683	1	
t	3066	1	F	T	865003	1	
Ì	3067	1	F	1	863040	٦	
İ	3068	1	F	1	866331		
	3069	1	F	1	864443		
	3070	7	F	1	866799		
	3071		F	7	864889		
	3072		F	1	867574		
	3073	_	F		865664		
	3074	_	F		868402		
	3075		F		866513		
	3076		F	ì	869823		
	3077		I	7	867898		
	3078		I	7	870414		
	3079		1	F	868478		
ב					· · · · · · · · · · · · · · · · · · ·		_

4765	В		471814		
4766	В	I^-	470920		
4767	В		472826		
4768	В	472075			
4769	В		473922		
4770	В	472231			
4771	В	T	474144		
4772	В		472579		
4773	В		474501		
4774	В	T	473751		
4775	В	1	475664		
4776	В	1	475116		
4777	В	1	477009		
4778	В	十	477566		
4779	В	十	479490		
4780	В	+	477851	١	
4781	В	十	479753		
4782	В	\top	478728	1	
4783	В	\top	480616	1	
4784	В		479496	1	
4785	В		481418	٦	
4786	E	1	479928		
4787	E	3	481844		
4788	E	3	481674		
4789	E	3	483578		
4790	I	3	482281	_	
4791	1	3.	484243		
4792	1	3	482820		
4793	1	В	484721		
4794	1	В	484449		
4795		В	486360		
4796		В	485499		
4797		В	487293	_	
4798		В	486116		
4799		В	487980		

1360	1	7	40872
1361	I	7	38972
1362	I	7	42825
1363	F		40923
1364	F	7	43563
1365	F		41652
1366	F	7	44531
1367	F	7	42623
1368	F	1	45150
1369	F		43250
1370	F	十	45478
1371	F	\top	43579
1372	F	\top	46755
1373	F	\top	44874
1374	F	十	47347
1375	F	T	45386
1376	F	十	47818
1377	F	T	45897
1378	F	†	48893
1379	F	T	46995
1380	F	T	49907
1381	F	T	48000
1382	F	T	51088
1383	F	T	49169
1384	F	T	52651
1385	F	T	50721
1386	F	\vdash	53065
1387	F	\vdash	51176
1388	F		53516
1389	F	\vdash	51611
1390	F		54242
1391	F	-	52351
1392	F		55058
1393	F		53159
1394	F		56274

	3080	3080		7	871862	
	3081	81		7	869956	
	3082		F		872261	
ſ	3083		F		870367	
	3084		F		874062	
	3085		F		872141	
	3086		F		874363	
	3087		F		872439	
	3088		F		875155	
	3089		F		873244	
	3090	1	F		878156	
	3091		F	1	876291	
	3092	1	F	1	879046	
	3093	T	F	1	877133	
r	3094		F		880361	
	3095	1	F		878450	
Γ	3096	T	F	\dagger	882361	
Γ	3097	T	F	T	880493	
Γ	3098	T	F	1	883067	
Γ	3099	T	F	†	881185	
	3100	T	F	T	883310	
	3101	T	F	T	881416	
	3102	T	F	T	884035	
	3103		F	T	882152	
	3104	T	F	T	885495	
	3105	T	F	T	883599	
	3106	T	F	r	887340	
	3107		F	l	885448	
	3108		F		887996	
	3109		F	r	886093	
	3110]	F		888494	
	3111]	F		886570	
	3112]	F		889100	
	3113	1	F		887201	
	3114]	7		889655	

4801 B 488721 4802 B 487217 4803 B 489101 4804 B 487567 4805 B 489423 4806 B 487984 4807 B 489909 4808 B 489291 4809 B 491191 4810 B 489561 4811 B 490221 4813 B 492078 4814 B 490773 4815 B 492672 4816 B 491383 4817 B 493293 4818 B 491616 4819 B 493537 4820 B 492362 4821 B 496168 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 498688 4826 <th></th> <th colspan="2">4800</th> <th colspan="2">В</th> <th>486811</th>		4800		В		486811
4803 B 489101 4804 B 487567 4805 B 489423 4806 B 487984 4807 B 489909 4808 B 489291 4809 B 491191 4810 B 489561 4811 B 491461 4812 B 490221 4813 B 492078 4814 B 490773 4815 B 492672 4816 B 491383 4817 B 493293 4818 B 491616 4819 B 493537 4820 B 492362 4821 B 495083 4822 B 495083 4823 B 496168 4824 B 496168 4825 B 498688 4826 B 498688 4827 <td></td> <td colspan="2">4801</td> <td colspan="2">В</td> <td>488721</td>		4801		В		488721
4804 B 487567 4805 B 489423 4806 B 487984 4807 B 489909 4808 B 489291 4809 B 491191 4810 B 489561 4811 B 491461 4812 B 490221 4813 B 492078 4814 B 490773 4815 B 492672 4816 B 491383 4817 B 493293 4818 B 491616 4819 B 493537 4820 B 492362 4821 B 492362 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 496789 4826 B 496789 4827 B 49868 4829 <td></td> <td>4802</td> <td></td> <td colspan="2">В</td> <td>487217</td>		4802		В		487217
4805 B 489423 4806 B 487984 4807 B 489909 4808 B 489291 4809 B 491191 4810 B 489561 4811 B 491461 4812 B 490221 4813 B 492078 4814 B 490773 4815 B 492672 4816 B 491383 4817 B 493293 4818 B 491616 4819 B 492362 4820 B 492362 4821 B 494246 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 49863 4826 B 496789 4827 B 498688 4828 B 497500 4830 <td></td> <td>4803</td> <td></td> <td>В</td> <td></td> <td>489101</td>		4803		В		489101
4806 B 487984 4807 B 489909 4808 B 489291 4809 B 491191 4810 B 489561 4811 B 491461 4812 B 490221 4813 B 492078 4814 B 490773 4815 B 492672 4816 B 491383 4817 B 493293 4818 B 491616 4819 B 492362 4821 B 492362 4821 B 494246 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 496789 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498552 4831 B 498552 <t< td=""><td></td><td>4804</td><td></td><td colspan="2">В</td><td>487567</td></t<>		4804		В		487567
4807 B 489909 4808 B 489291 4809 B 491191 4810 B 489561 4811 B 491461 4812 B 490221 4813 B 492078 4814 B 490773 4815 B 492672 4816 B 491383 4817 B 493293 4818 B 491616 4819 B 493537 4820 B 492362 4821 B 492362 4821 B 495083 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 496789 4826 B 496789 4827 B 498688 4828 B 497500 4830 B 498057 4831 <td>1</td> <td>4805</td> <td></td> <td>В</td> <td></td> <td>489423</td>	1	4805		В		489423
4808 B 489291 4809 B 491191 4810 B 489561 4811 B 491461 4812 B 490221 4813 B 492078 4814 B 490773 4815 B 492672 4816 B 491383 4817 B 493293 4818 B 491616 4819 B 493537 4820 B 492362 4821 B 494246 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498552 4831 B 498552 4833 <td></td> <td>4806</td> <td></td> <td>В</td> <td></td> <td>487984</td>		4806		В		487984
4809 B 491191 4810 B 489561 4811 B 491461 4812 B 490221 4813 B 492078 4814 B 490773 4815 B 492672 4816 B 491383 4817 B 493293 4818 B 491616 4819 B 493537 4820 B 492362 4821 B 494246 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 496789 4826 B 496789 4827 B 498688 4828 B 497500 4830 B 498057 4831 B 49966 4832 B 498552 4833 B 500508		4807		В		489909
4810 B 489561 4811 B 491461 4812 B 490221 4813 B 492078 4814 B 490773 4815 B 492672 4816 B 491383 4817 B 493293 4818 B 491616 4819 B 493537 4820 B 492362 4821 B 494246 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 496789 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498057 4831 B 498552 4833 B 500508		4808	1	В	1	489291
4811 B 491461 4812 B 490221 4813 B 492078 4814 B 490773 4815 B 492672 4816 B 491383 4817 B 493293 4818 B 491616 4819 B 492362 4820 B 492362 4821 B 495083 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498057 4831 B 498552 4833 B 500508		4809		В	1	491191
4812 B 490221 4813 B 492078 4814 B 490773 4815 B 492672 4816 B 491383 4817 B 493293 4818 B 491616 4819 B 493537 4820 B 492362 4821 B 494246 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498057 4831 B 498552 4833 B 500508		4810	1	В	1	489561
4813 B 492078 4814 B 490773 4815 B 492672 4816 B 491383 4817 B 493293 4818 B 491616 4819 B 493537 4820 B 492362 4821 B 495083 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498057 4831 B 498552 4833 B 500508		4811	1	В	1	491461
4814 B 490773 4815 B 492672 4816 B 491383 4817 B 493293 4818 B 491616 4819 B 493537 4820 B 492362 4821 B 492362 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498057 4831 B 498552 4833 B 500508	Γ	4812	1	В	†	490221
4815 B 492672 4816 B 491383 4817 B 493293 4818 B 491616 4819 B 493537 4820 B 492362 4821 B 494246 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4830 B 498057 4831 B 498552 4833 B 500508	Γ	4813		В	T	492078
4816 B 491383 4817 B 493293 4818 B 491616 4819 B 493537 4820 B 492362 4821 B 492362 4821 B 495083 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4830 B 498057 4831 B 498552 4833 B 500508		4814	1	В	1	490773
4817 B 493293 4818 B 491616 4819 B 493537 4820 B 492362 4821 B 492362 4821 B 494246 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4830 B 498057 4831 B 498552 4833 B 500508	Γ	4815	T	В	T	492672
4818 B 491616 4819 B 493537 4820 B 492362 4821 B 494246 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498057 4831 B 499966 4832 B 498552 4833 B 500508	Γ	4816	T	В	T	491383
4819 B 493537 4820 B 492362 4821 B 494246 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 498057 4830 B 498057 4831 B 498552 4833 B 500508		4817	1	В	T	493293
4820 B 492362 4821 B 494246 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498057 4831 B 499966 4832 B 498552 4833 B 500508		4818	T	В		491616
4821 B 494246 4822 B 495083 4823 B 497027 4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498057 4831 B 499966 4832 B 498552 4833 B 500508		4819	T	В	Ī	493537
4822 B 495083 4823 B 497027 4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 498057 4831 B 498552 4832 B 498552 4833 B 500508		4820	T	В		492362
4823 B 497027 4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498057 4831 B 498552 4833 B 500508		4821	T	В		494246
4824 B 496168 4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498057 4831 B 499966 4832 B 498552 4833 B 500508		4822		В		495083
4825 B 498063 4826 B 496789 4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498057 4831 B 498552 4833 B 500508		4823]	В		497027
4826 B 496789 4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498057 4831 B 499966 4832 B 498552 4833 B 500508		4824]	В		496168
4827 B 498688 4828 B 497500 4829 B 499390 4830 B 498057 4831 B 499966 4832 B 498552 4833 B 500508		4825	J	В		498063
4828 B 497500 4829 B 499390 4830 B 498057 4831 B 499966 4832 B 498552 4833 B 500508		4826	Ī	В		496789
4829 B 499390 4830 B 498057 4831 B 499966 4832 B 498552 4833 B 500508		4827]	3		498688
4830 B 498057 4831 B 499966 4832 B 498552 4833 B 500508		4828	I	3		497500
4831 B 499966 4832 B 498552 4833 B 500508	_	4829	I	3	_	499390
4832 B 498552 4833 B 500508		4830	Ē	3	_	498057
4833 B 500508		4831	В			499966
2 200308	_	4832	В			498552
4834 B 499240	_	4833	E	В		500508
		4834	Е	3		499240

1395	F	54348
1396	F	57078
1397	F	55156
1398	F	58343
1399	F	56392
1400	F	61103
1401	F	59177
1402	F	59701
1403	F	57802
1404	F	61887
1405	F	59971
1406	F	62255
1407	F	60348
. 1408	F	63515
1409	F	61557
1410	F	63657
1411	F	61761
1412	F	64088
1413	F	62196
1414	F	64422
1415	F	62537
1416	F	65072
1417	F	63140
1418	F	65978
1419	F	64088
1420	F	67046
1421	F	65146
1422	F	67466
1423	F	65580
1424	F	68569
1425	F	66686
1426	F	68609
1427	F	66688
1428	F	70423
1429	F	68479
	1	

215					
3115	F	887776			
3116	F	891025			
3117	F	889105			
3118	F	891504			
3119	F	889593			
3120	F	891795			
3121	F	889841			
3122	F	892279			
3123	F	890400			
3124	F	892182			
3125	F	890288			
3126	F	893010			
3127	F	891139			
3128	F	893101			
3129	F	891211			
3130	F	895494			
3131	F	893599			
3132	F	896448			
3133	F	894511			
3134	F	897341			
3135	F	895442			
3136	F	899197			
3137	F	897279			
3138	F	899999			
3139	F	898075			
3140	F	903008			
3141	F	901103			
3142	F	904798			
3143	F	902923			
3144	F	906993			
3145	F	905129			
3146	F	907564			
3147	F	905665			
3148	F	907913			
3149	F	905998			
	1				

4835	В	501145
4836	В	499812
4837	В	501762
4838	В	500020
4839	В	501915
4840	В	500716
4841	В	502628
4842	В	504395
4843	В	506292
4844	В	504885
4845	В	506772
4846	В	507107
4847	В	509003
4848	В	507933
4849	В	509795
4850	В	510741
4851	В	512656
4852	В	508573
4853	В	510445
4854	В	513663
4855	В	515585
4856	В	515276
4857	В	517040
4858	В	517602
4859	В	519510
4860	В	517602
4861	В	519510
4862	В	518075
4863	В	519947
4864	В	518429
4865	В	520326
4866	В	521416
4867	В	523319
4868	В	523196
4869	В	525096

1430	_			71000		
<u> </u>	_	F		71099		
1431		F		69206		
1432	_	F		71829		
1433	$ \bot $	F		69935		
1434		F		73745		
1435		F		71931		
1436		F		76942		
1437		F		75022		
1438		F	1	77404		
1439	1	F	1	75556		
1440	\top	F	†	78133		
1441	\top	F	1	76192		
1442	\top	F	T	79079		
1443	T	F	\dagger	77122		
1444	T	F	\dagger	79471		
1445	\dagger	F	\dagger	77481		
1446	\dagger	F	t	79670		
1447	T	F	\dagger	77816		
1448	+	F	\dagger	80236		
1449	1	F	-	78356		
1450	1	F	\vdash	81108		
1451	†;	F	-	79182		
1452	Ť	7	-	83024		
1453	1	7	\vdash	81158		
1454	1	7	-	83786		
1455	F	;		81886		
1456	F	;	_	84739		
1457	F			82821		
1458	F			84866		
1459	F	\perp	_	82967		
1460	F	\bot		85175		
1461	F	4		83240		
1462	F			85690		
1463	$\frac{1}{F}$			83790		
1464	F	丄		86397		
1 104	r			0039/		

					_		
	3150		F		908349	_	
	3151		F		906425		
	3152		F		909186		
	3153		F		907286		
	3154]	F	911413	_	
	3155		Ī	7	909481	_	
	3156		I	7	912084		
	3157		F	•	910176	_	
	3158		F	7	912718		
	3159		F		910814	_	
	3160		F		913813	-	
ſ	3161		F		911941	_	
	3162		F	1	915106	_	
	3163	1	F	1	913211		
	3164	7	F	1	915053	1	
ſ	3165	F		7	913141	1	
Γ	3166	1	F		916630		
	3167	\dagger	F	†	914731		
	3168	\dagger	F	Ť	917500	1	
Γ	3169	\dagger	F	T	915594	1	
	3170	T	F	T	918615		
	3171	T	F	†	916715		
	3172	T	F	T	919639		
	3173	T	F	T	917732		
	3174	T	F	T	920216		
	3175	T	F	T	918312		
	3176		F	T	920971		
	3177		F		919057		
	3178	7	F		921889		
	3179	7	F		920015		
	3180	F			921773		
	3181	F		_	919871		
	3182	1	7	_	923428		
	3183	F			921546		
_	3184	F	:		923841		
			1				

					•		
	4870			В	525033		
	4871		Ti	В	526939		
	4872		В		524599		
	4873	_	I	3	526501		
	4874		I	3	526494		
	4875		I	3	528361		
	4876		E	3	527330		
	4877		E	3	529238		
	4878		В	;	527167		
	4879		В		529067		
	4880	1	В		528673		
	4881	1	В		530573		
Γ	4882	1	В		529456		
Γ	4883	1	В	7	531376		
Γ	4884	†	В	7	530864		
Γ	4885	T	В	7	532745		
	4886		В		531906		
	4887		В.		533776		
	4888	T	В	†	534199		
	4889	T	В	1	536103		
	4890		В	T	536674		
-	4891		В	T	538552		
	4892		В	T	537422		
	4893		В	T	539270		
	4894		В	T	538165		
	4895	-	В	T	540048		
	4896	-	В		538658		
	4897]	В		540578		
	4898]	В		538970		
	4899]	В		540857		
	4900]	3		539859		
	4901	I	3		541736		
_	4902	I	3		541474		
_	4903	I	3		543411		
	4904	E	3		542791		
			1				

1465	F	84507
1466	F	88470
1467	F	86563
1468	F	89038
1469	F	87121
1470	F	91017
1471	F	89146
1472	F	93075
1473	F	91147
1474	F	93846
1475	F	91948
1476	F	94410
1477	F	92561
- 1478	F	95447
1479	F	93541
1480	F	96074
1481	F	94197
1482	F	97706
1483	F	95841
1484	F	98142
1485	F	96292
1486	F	99925
1487	F	98011
1488	F	101229
1489	F	99338
1490	F	101429
1491	F	99552
1492	F	102137
1493	F	100237
1494	F	102600
1495	F	100657
1496	F	103330
1497	F	101429
1498	F	103877
1499	F	101966
	J	

217							
3185	F	921936					
3186	F	924795					
3187	F	922945					
3188	F	925102					
3189	F	923188					
3190	F	926130					
3191	F	924248					
3192	F	927729					
3193	F	925829					
3194	F	928112					
3195	F	926130					
3196	F	929014					
3197	F	927129					
3198	F	930776					
3199	F	928876					
3200	F	931898					
3201	F	929987					
3202	F	932291					
3203	F	930323					
3204	F	933264					
3205	F	931339					
3206	F	935505					
3207	F	933605					
3208	F	936779					
3209	F	934873					
3210	F	937000					
3211	F	935108					
3212	F	938062					
3213	F	936162					
3214	F	938536					
3215	F	936689					
3216	F	938934					
3217	F	937000					
3218	F	939541					
3219	F	937640					
L							

4905 4906	В	544691
4006		1
4906	В	543234
4907	В	545134
4908	В	543608
4909	В	545513
4910	В	546851
4911	В	548762
4912	В	549793
4913	В	551652
4914	В	547523
4915	В	549430
4916	В	550754
4917	В	552702
4918	В	551775
4919	В	553674
4920	В	552876
4921	В	554756
4922	В	555340
4923	В	557240
4924	В	555736
4925	В	557619
4926	В	558229
4927	В	560135
4928	В	558821
4929	В	560696
4930	В	559955
4931	В	561816
4932	В	561979
4933	В	563858
4934	В	561979
4935	В	563812
4936	В	564167
4937	В	566081
4938	В	565229
4939	В	567096

1500	F	104336
1501	F	102469
1502	F	108182
1503	F	106280
1504	F	111814
1505	F	109911
1506	F	112412
1507	F	110553
1508	F	113442
1509	F	111571
1510	F	113891
1511	F	112010
1512	F	114990
1513	F	113112
1514	F	115684
1515	F	113776
1516	F	116526
1517	F	114656
1518	F	117731
1519	F	115825
1520	F	118292
1521	F	116389
1522	F	119593
152 3	F	117685
1524	F	120231
1525	F	118292
1526	F	122278
1527	F	120382
1528	F	122610
1529	F	120682
1530	F	123309
1531	F	121390
1532	F	126113
1533	F	124213
1534	F	128975
	1	

3220	F	940603
3221	F	938681
3222	F	940758
3223	F	938826
3224	F	941387
3225	F	939470
3226	F	942261
3227	F	940373
3228	F	942563
3229	F	940654
3230	F	942807
3231	F	940907
3232	F	943510
3233	F	941608
3234	F	943771
3235	F	941872
3236	F	944330
3237	F	942413
3238	F	945147
3239	F	943262
3240	F	945527
3241	F	943620
3242	F	946627
3243	F	944741
3244	F	947165
3245	F	945278
3246	F	948674
3247	F	946774
3248	F.	949646
3249	F	947716
3250	F	950731
3251	F	948837
3252	F	951418
3253	F	949545
3254	F	951940

			_	
	4940	В	;	566419
	4941	В	-	568318
	4942	В		567974
	4943	В		569872
	4944	В		568753
	4945	В		570655
	4946	В		569707
	4947	В		571605
	4948	В		571285
	4949	В		573207
	4950	В	1	572080
	4951	В	1	573948
	4952	В	1	572628
	4953	В	1	574524
	4954	В	†	573563
	4955	В	†	575436
	4956	В	t	572628
	4957	В	t	574524
	4958	В	t	575279
	4959	В	T	577202
Ī	4960	В		576190
	4961	В		578039
	4962	В	T	578174
Γ	4963	В	l	580011
Γ	4964	В		579148
Γ	4965	В		581040
Γ	4966	В		580227
	4967	В		582047
Γ	4968	В		580656
	4969	В	-	582542
	4970	В	_	580420
	4971	В		582322
	4972	В		581322
	4973	В		583212
	4974	В	_	582051
			_	

	·							
1535	F	127091	3255	F	950034	4975	В	583973
1536	F	134603	3256	F	952365	4976	В	582592
1537	F	132806	3257	F	950461	4977	В	584513
1538	F	136249	3258	F	953230	4978	В	583651
1539	F	134352	3259	F	951316	4979	В	585588
1540	F	137680	3260	F	954978	4980	В	584932
1541	F	135756	3261	F	953125	4981	В	586813
1542	F	137680	3262	F	955613	4982	В	585457
1543	F	135799	3263	F	953697	4983	В	587360
1544	F	138035	3264	F	956989	4984	В	587145
1545	F	136135	3265	F	955136	4985	В	589063
1546	F	139266	3266	F	957684	4986	В	588150
1547	F	137363	3267	F	955778	4987	В	590044
. 1548	F	140208	3268	F	959156	4988	В	588404
1549	F	138351	3269	F	957187	4989	В	590304
1550	F	141636	3270	F	960035	4990	В	589320
1551	F	139735	3271	F	958117	4991	В	591193
1552	F	142808	3272	F	961584	4992	В	590733
1553	F	140900	3273	F	959727	4993	В	592677
1554	F	144272	3274	F	965172	4994	В	592682
1555	F	142372	3275	F	963269	4995	В	594583
1556	F	145217	3276	F	966747	4996	В	593126
1557	F	143335	3277	F	964843	4997	В	595026
1558	F	146527	3278	F	968015	4998	В	594005
1559	F	144645	3279	F	966111	4999	В	595882
1560	F	146965	3280	F	968508	5000	В	594521
1561	F	145086	3281	F	966609	5001	В	596421
1562	F	147455	3282	F	969289	5002	В	596170
1563	F	145501	3283	F	967389	5003	В	598096
1564	F	148810	3284	F	969537	5004	В	596532
1565	F	146904	3285	F	967640	5005	В	598451
1566	F	151964	3286	F	970078	5006	В	597438
1567	F	150062	3287	F	968137	5007	В	599365
1568	F	154064	3288	F	970317	5008	В	598191
1569	F	152113	3289	F	968394	5009	В	600088
	<u> </u>		·	ıİ.		<u> </u>		

1570	F	154888
1571	F	152963
1572	F	155418
1573	F	153558
1574	F	156528
1575	F	154606
1576	F	157433
1577	F	155516
1578	F	158771
1579	F	156842
1580	F	159105
1581	F	157219
1582	F	159657
1583	F	157761
1584.	F	160240
1585	F	158316
1586	F	160675
1587	F	158778
1588	F	161289
1589	F	159402
1590	F	161918
1591	F	159979
1592	F	162214
1593	F	160297
1594	F	163996
1595	F	162045
1596	F	165189
1597	F	163288
1598	F	166730
1599	F	164828
1600	F	168243
1601	F	166327
1602	F	168907
1603	F	167064
1604	F	169129
L		<u> </u>

220							
3290	F	970857					
3291	F	968969					
3292	F	971657					
3293	F	969757					
3294	F	974954					
3295	F	973067					
3296	F	975200					
3297	F	973300					
3298	F	976362					
3299	F	974418					
3300	F	977009					
3301	F	975050					
3302	F	978153					
3303	F	976255					
3304	F	980532					
3305	F	978632					
3306	F	981701					
3307	F	979785					
3308	F	982885					
3309	F	980983					
3310	F	983878					
3311	F	981973					
3312	F	985264					
3313	F	983395					
3314	F	986953					
3315	F	985049					
3316	F	985623					
3317	F	983760					
3318	F	986956					
3319	F	985049					
3320	F	987506					
3321	F	985592					
3322	F	988307					
3323	F	986404					
3324	F	988783					

5010 B 598836 5011 B 600749 5012 B 599476 5013 B 601327 5014 B 600192 5015 B 602103 5016 B 602103 5016 B 601131 5017 B 603030 5018 B 602307 5019 B 604209 5020 B 602810 5021 B 604759 5022 B 603529 5023 B 604759 5024 B 604759 5025 B 606662 5026 B 606076 5027 B 608046 5028 B 60843 5029 B 608746 5030 B 607504 5031 B 609224 5033 B 611138 5034 <th></th> <th></th> <th></th>			
5012 B 599476 5013 B 601327 5014 B 600192 5015 B 602103 5016 B 601131 5017 B 603030 5018 B 602307 5019 B 604209 5020 B 602810 5021 B 604759 5022 B 603529 5023 B 604759 5024 B 604759 5025 B 606662 5026 B 606662 5026 B 608046 5027 B 608046 5028 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 613033 5036 B 613033 5038 <td>5010</td> <td>В</td> <td>598836</td>	5010	В	598836
5013 B 601327 5014 B 600192 5015 B 602103 5016 B 601131 5017 B 603030 5018 B 602307 5019 B 604209 5020 B 602810 5021 B 604759 5022 B 603529 5023 B 604759 5024 B 604759 5025 B 606662 5026 B 606662 5027 B 608046 5028 B 60843 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 613033 5038 B 613033 5039 <td>5011</td> <td>В</td> <td>600749</td>	5011	В	600749
5014 B 600192 5015 B 602103 5016 B 602103 5017 B 603030 5018 B 602307 5019 B 604209 5020 B 602810 5021 B 604759 5022 B 603529 5023 B 605402 5024 B 604759 5025 B 606662 5026 B 606076 5027 B 608046 5028 B 608746 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 613033 5038 B 612554 5040 B 612554 5041 <td>5012</td> <td>В</td> <td>599476</td>	5012	В	599476
5015 B 602103 5016 B 601131 5017 B 603030 5018 B 603030 5019 B 602307 5019 B 604209 5020 B 602810 5021 B 604759 5022 B 603529 5023 B 605402 5024 B 604759 5025 B 606662 5026 B 606076 5027 B 608046 5028 B 60843 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 613033 5036 B 613033 5038 B 612554 5040 <td>5013</td> <td>В</td> <td>601327</td>	5013	В	601327
5016 B 601131 5017 B 603030 5018 B 603030 5019 B 604209 5020 B 602810 5021 B 604759 5022 B 603529 5023 B 605402 5024 B 604759 5025 B 606662 5026 B 606076 5027 B 608046 5028 B 606843 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 613033 5036 B 613033 5038 B 612554 5040 B 612554 5041 B 614453 5043 <td>5014</td> <td>В</td> <td>600192</td>	5014	В	600192
5017 B 603030 5018 B 603030 5019 B 604209 5020 B 604209 5021 B 604759 5022 B 603529 5023 B 605402 5024 B 604759 5025 B 606662 5026 B 606076 5027 B 608046 5028 B 608746 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 613033 5036 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5043 <td>5015</td> <td>В</td> <td>602103</td>	5015	В	602103
5018 B 602307 5019 B 604209 5020 B 602810 5021 B 602810 5021 B 604759 5022 B 603529 5023 B 605402 5024 B 604759 5025 B 606662 5026 B 606076 5027 B 608046 5028 B 606843 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611865 5036 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5043 <td>5016</td> <td>В</td> <td>601131</td>	5016	В	601131
5019 B 604209 5020 B 604209 5021 B 602810 5021 B 604759 5022 B 603529 5023 B 605402 5024 B 604759 5025 B 606662 5026 B 606076 5027 B 608046 5028 B 60843 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611365 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5043 <td>5017</td> <td>В</td> <td>603030</td>	5017	В	603030
5020 B 602810 5021 B 604759 5022 B 603529 5023 B 605402 5024 B 604759 5025 B 606662 5026 B 606076 5027 B 608046 5028 B 60843 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5043 B 616017	5018	В	602307
5021 B 604759 5022 B 603529 5023 B 605402 5024 B 604759 5025 B 606662 5026 B 606076 5027 B 608046 5028 B 606843 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611865 5036 B 611333 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5043 B 616017	5019	В	604209
5022 B 603529 5023 B 605402 5024 B 605402 5025 B 606662 5026 B 606076 5027 B 608046 5028 B 60843 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5043 B 616017	5020	В	602810
5023 B 605402 5024 B 604759 5025 B 606662 5026 B 606076 5027 B 608046 5028 B 60843 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5021	В	604759
5024 B 604759 5025 B 606662 5026 B 606076 5027 B 608046 5028 B 606843 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5022	В	603529
5025 B 606662 5026 B 606076 5027 B 608046 5028 B 60843 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5023	В	605402
5026 B 606076 5027 B 608046 5028 B 608046 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5024	В	604759
5027 B 608046 5028 B 608046 5029 B 606843 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5025	В	606662
5028 B 606843 5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5026	В	606076
5029 B 608746 5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5027	В	608046
5030 B 607504 5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5028	В	606843
5031 B 609404 5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5029	В	608746
5032 B 609224 5033 B 611138 5034 B 609952 5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5030	В	607504
5033 B 611138 5034 B 609952 5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5031	В	609404
5034 B 609952 5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5032	В	609224
5035 B 611865 5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5033	В	611138
5036 B 611138 5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5034	В	609952
5037 B 613033 5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5035	В	611865
5038 B 612012 5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5036	В	611138
5039 B 613917 5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5037	В	613033
5040 B 612554 5041 B 614453 5042 B 614136 5043 B 616017	5038	В	612012
5041 B 614453 5042 B 614136 5043 B 616017	5039	В	613917
5042 B 614136 5043 B 616017	5040	В	612554
5043 B 616017	5041	В	614453
3.301,	5042	В	614136
5044 B 614978	5043	В	616017
	5044	В	614978

1605	F	167294
1606	F	170632
1607	F	168692
1608	F	171229
1609	F	169381
1610	F	171553
1611	F	169614
1612	F	172433
1613	F	170533
1614	F	173217
1615	F	171316
1616	F	174567
1617	F	172680
_1618	F	175342
1619	F	173479
1620	F	175709
1621	F	173752
1622	F	176909
1623	F	175009
1624	F	176704
1625	F	174761
1626	F.	177608
1627	F	175709
1628	F	179259
1629	F	177384
1630	F	179719
1631	F	177800
1632	F	181629
1633	F	179743
1634	F	182851
1635	F	180952
1636	F	184230
1637	F	182335
1638	F	184870
1639	F	182962

	221					
. 3325	F	986927				
3326	F	989593				
3327	F	987694				
3328	F	990733				
3329	F	988783				
3330	F	991559				
3331	F	989675				
3332	F	992323				
3333	F	990421				
3334	F	992522				
3335	F	990640				
3336	F	993308				
3337	F	991361				
3338	F	992795				
3339	F	990919				
3340	F	994573				
3341	F	992673				
3342	F	995517				
3343	F	993570				
3344	F	996518				
3345	F	994660				
3346	F	997317				
3347	F	995450				
3348	F	998653				
3349	F	996762				
3350	F	999865				
3351	F	997908				
3352	F	1001112				
3353	F	999238				
3354	F	1001651				
3355	F	999731				
3356	F	1003237				
3357	F	1001317				
3358	F	1004049				
3359	F	1002132				

5045	В	616936
5046	В	615399
5047	В	617342
5048	В	616565
5049	В	618402
5050	В	617618
5051	В	619515
5052	В	619027
5053	В	620937
5054	В	620142
5055	В	622052
5056	В	620230
5057	В	622124
5058	В	621498
5059	В	623385
5060	В	622583
5061	В	624479
5062	В	623718
5063	В	625598
5064	В	624533
5065	В	626462
5066	В	625020
5067	В	626893
5068	В	625774
5069	В	627660
5070	В	626146
5071	В	628010
5072	В	626646
5073	В	628522
5074	В	628020
5075	В	629982
5076	В	628882
5077	В	630730
507.8	В	629982
5079	В	631822

	,							
1640	F	185241	3360	F	1004252	5080	В	631862
1641	F	183348	3361	F	1002307	5081	В	633762
1642	F	185611	3362	F	1005400	5082	В	633774
1643	F	183685	3363	F	1003518	5083	В	635675
1644	F	186336	3364	F	1005892	5084	В	637192
1645	F	184445	3365	F	1003958	5085	В	639082
1646	F	188059	3366	F	1006516	5086	В	638321
1647	F	186171	3367	F	1004599	5087	В	640221
1648	F	190828	3368	F	1007332	5088	В	639082
1649	F	188956	3369	F	1005446	5089	В	640954
1650	F	191294	3370	F	1009066	5090	В	639317
1651	F	189428	3371	F	1007190	5091	В	641243
1652	F	192686	3372	F	1014072	5092	В	639860
1653	F	190788	3373	F	1012172	5093	В	641780
1654	F	193380	3374	F	1015614	5094	В	640868
1655	F	191474	3375	F	1013733	5095	В	642770
1656	F	193388	3376	F	1016078	5096	В	641243
1657	F	191474	3377	F	1014172	5097	В	643106
1658	F	193977	3378	F	1015924	5098	В	641605
1659	F	192059	3379	F	1014059	5099	В	643503
1660	F	195480	3380	F	1016230	5100	В	642538
1661	F	193585	3381	F	1014330	5101	В	644407
1662	F	195868	3382	F	1017479	5102	В	643243
1663	F	193969	3383	F	1015558	5103	В	645145
1664	F	197913	3384	F	1018915	5104	В	643550
1665	F	196013	3385	F	1017003	5105	В	645450
1666	F	199088	3386	F	1019328	5106	В	643925
1667	F	197213	3387	F	1017440	5107	В	645837
1668	F	202776	3388	F	1020813	5108	В	645848
1669	F	200876	3389	F	1018915	5109	В	647759
1670	F	204467	3390	F	1021621	5110	В	645987
1671	F	202497	3391	F	1019671	5111	В	647969
1672	F	205584	3392	F	1023996	5112	В	646490
1673	F	203664	3393	F	1022107	5113	В	648429
1674	F	206940	3394	F	1024277	5114	В	646973
								

1675	F	205063	3395	F	1022205	5115	T =	
	F				1022385	5115	В	648871
1676	L	207560	3396	F	1025368	5116	В	648115
1677	F	205587	3397	F	1023468	5117	В	650007
1678	F	208048	3398	F	1026671	5118	В	648516
1679	F	206139	3399	F	1024821	5119	В	650374
1680	F	209923	3400	F	1027688	5120	В	650567
1681	F	208023	3401	F	1025823	5121	В	652472
1682	F	210455	3402	F	1030916	5122	В	651251
1683	F	208569	3403	F	1029047	5123	В	653140
1684	F	211049	3404	F	1031342	5124	В	653186
1685	F	209147	3405	F	1029430	5125	В	655076
1686	F	211596	3406	F	1032795	5126	В	653628
1687	F	209705	3407	F	1030916	5127	В	655515
- 1688	F	212226	3408	F	1032978	5128	В	656010
1689	F	210311	3409	F	1031078	5129	В	657870
1690	F	213832	3410	F	1033730	5130	В	656761
1691	F	211960	3411	F	1031839	5131	В	658636
1692	F	214866	3412	F	1035774	5132	В	658389
1693	F	212921	3413	F	1033821	5133	В	660295
1694	F	215173	3414	F	1036884	5134	В	660436
1695	F	213307	3415	F	1034954	5135	В	662352
1696	F	215800	3416	F	1037476	5136	В	663483
1697	F	213957	3417	F	1035577	5137	В	665358
1698	F	216489	3418	F	1037714	5138	В	664701
1699	F	214549	3419	F	1035847	5139	В	666607
1700	F	216980	3420	F	1038782	5140	В	665978
1701	F	215100	3421	F	1036884	5141	В	667856
1702	F	217665	3422	F	1040777	5142	В	667238
1703	F	215793	3423	F	1038856	5143	В	669172
1704	F	218039	3424	F	1042132	5144	В	668195
1705	F	216071	3425	F	1040216	5145	В	670046
1706	F	218476	3426	F	1043148	5146	В	668791
1707	F	216560	3427	F	1041215	5147	В	670691
1708	F	218769	3428	F	1044388	5148	В	669426
1709	F	216809	3429	F	1042445	5149	В	671326
						L		

1710	F	220020
1711	F	218128
1712	F	221210
1713	F	219275
1714	F	222497
1715	F	220601
1716	F	223292
1717	F	221403
1718	F	223775
1719	F	221877
1720	F	224250
1721	F	222377
1722	F	224906
1723	F	223008
1724	F	225283
1725	F	223418
1726	F	226670
1727	F	224770
1728	F	227849
1729	F	225937
1730	F	228185
1731	F	226269
1732	F	228393
1733	F	226512
1734	F	229334
1735	F	227499
1736	F	230761
1737	F	228846
1738	F	231287
1739	F	229334
1740	F	231731
1741	F	229927
1742	F	232865
1743	F.	231027
1744	F	232865
l		

		224
. 3430	F	1045164
3431	F	1043224
3432	F	1046223
3433	F	1044324
3434	F	1047299
3435	F	1045364
3436	F	1049803
3437	F	1047914
3438	F	1050341
3439	F	1048431
3440	F	1050862
3441	F	1048907
3442	F	1051515
3443	F	1049572
3444	F	1051828
3445	F	1049917
3446	F	1052885
3447	F	1050957
3448	F	1053963
3449	F	1052057
3450	F	1055238
3451	F	1053362
3452	F	1055849
3453	F	1053963
3454	F	1056332
3455	F	1054465
3456	F	1056738
3457	F	1054830
3458	F	1058019
3459	F	1056110
3460	F	1058504
3461	F	1056587
3462	F	1059300
3463	F	1057406
3464	F	1060356
L	1	

5150	В	671116
5151	В	673055
5152	В	671659
5153	В	673547
5154	В	672474
5155	В	674347
5156	В	673238
5157	В	675140
5158	В	674944
5159	В	676911
5160	В	674797
5161	В	676669
5162	В	675741
5163	В	677643
5164	В	676340
5165	В	678204
5166	В	676911
5167	В	678770
5168	В	677240
5169	В	679136
5170	В	677873
5171	В	679767-
5172	В	678549
5173	В	680420
5174	В	679692
5175	В	681628
5176	В	680320
5177	В	682220
5178	В	681126
5179	В	683046
5180	В	682558
5181	В	684404
5182	В	681857
5183	В	683768
5184	В	683046

1745	F	231027
1746	F	234315
1747	F	232394
1748	F	234823
1749	F	232865
1750	F	235154
1751	F	233245
1752	F	236429
1753	F	234520
1754	F	237268
1755	F	235271
1756	F	238047
1757	F	236162
.1758	F	238636
1759	F	236736
1760	F	239957
1761	F	238047
1762	F	241373
1763	F	239482
1764	F	242017
1765	F	240072
1766	F	242740
1767	F	240829
1768	F	243281
1769	F	241373
1770	F	244244
1771	F	242345
1772	F	246052
1773	F	244179
1774	F	247581
1775	F	245697
1776	F	249216
1 7 77	F	247244
1778	F.	251003
1779	F	249137

	225						
3465	F	1058400					
3466	F	1061455					
3467	F	1059456					
3468	F	1062092					
3469	F	1060243					
3470	F	1063884					
3471	F	1061983					
3472	F	1064928					
3473	F	1063056					
3474	F	1067125					
3475	F	1065240					
3476	F	1067963					
3477	F	1066075					
3478	F	1068596					
3479	F	1066668					
3480	F	1069752					
3481	F	1067890					
3482	F	1071068					
3483	F	1069210					
3484	F	1072701					
3485	F	1070806					
3486	F	1073987					
3487	F	1072090					
3488	F	1075643					
3489	F	1073742					
3490	F	1076350					
3491	F	1074450					
3492	F	1077354					
3493	F	1075555					
3494	F	1077778					
3495	F	1075880					
3496	F	1078445					
3497	F	1076529					
3498	F	1079373					
3499	F	1077523					

5185	В	684944
5186	В	684128
5187	В	686124
5188	В	684893
5189	В	686740
5190	В	685389
5191	В	687290
5192	В	686207
5193	В	688106
5194	В	687534
5195	В	689424
5196	В	688416
5197	В	690275
5198	В	688955
5199	В	690855
5200	В	689727
5201	В	691626
5202	В	690496
5203	В	692386
5204	В	691349
5205	В	693249
5206	В	692864
5207	В	694724
5208	В	695287
5209	В	697187
5210	В	696275
5211	В	698172
5212	В	696786
5213	В	698696
5214	В	698185
5215	В	700090
5216	В	700037
5217	В	701923
5218	В	702172
5219	В	704050

1780 1781 1782 1783	F	252064 250189
1782		250189
		ŧ
1783	F	252900
	F	251000
1784	F	253718
1785	F	251855
1786	F	254993
1787	F	253138
1788	F	256414
1789	F	254509
1790	F	257283
1791	F	255383
1792	F	257279
1793	F	255379
1794	F	258061
1795	F	256107
1796	F	259005
1797	F	257128
1798	F	261075
1799	F	259195
1800	F	261551
1801	F	259650
1802	F	262535
1803	F	260611
1804	F	262960
1805	F	261060
1806	F	264509
1807	F	262614
1808	F	265837
1809	F	263925
1810	F	266239
1811	F	264367
1812	F	267185
1813	F	- 265286
1814	F	267909

3500 F 10797 3501 F 10778 3502 F 10805 3503 F 10786 3504 F 108110 3505 F 10792 3506 F 108300 3507 F 108110 3508 F 108440 3509 F 108240 3510 F 108395 3511 F 108395 3512 F 108646 3513 F 108456 3514 F 108788 3515 F 108892 3516 F 108892	50 38 55 08 28 06 06 04 55 04
3502 F 10805 3503 F 10786 3504 F 108116 3505 F 10792 3506 F 108306 3507 F 108116 3508 F 108446 3509 F 108246 3510 F 108589 3511 F 108395 3512 F 108646 3513 F 108456 3514 F 108788 3515 F 108842 3516 F 108652	38 55 08 28 06 08 04 65
3503 F 10786. 3504 F 108110 3505 F 107922 3506 F 108300 3507 F 108110 3508 F 108440 3509 F 108240 3510 F 108589 3511 F 108399 3512 F 108640 3513 F 108456 3514 F 108788 3515 F 108598 3516 F 108652	55 08 28 06 08 04 65 96
3504 F 108110 3505 F 107922 3506 F 108300 3507 F 108110 3508 F 108440 3509 F 108240 3510 F 108589 3511 F 108399 3512 F 108450 3513 F 108450 3514 F 108788 3515 F 108598 3516 F 108652	08 28 06 08 04 05 06
3505 F 107922 3506 F 108306 3507 F 108116 3508 F 108446 3509 F 108246 3510 F 108589 3511 F 108399 3512 F 108646 3513 F 108788 3514 F 108788 3515 F 108598 3516 F 108652	28 06 08 04 04 55
3506 F 108306 3507 F 108116 3508 F 108446 3509 F 108246 3510 F 108589 3511 F 108396 3512 F 108646 3513 F 108456 3514 F 108788 3515 F 108842 3516 F 108652	06 08 04 65 96
3507 F 108116 3508 F 108446 3509 F 108246 3510 F 108589 3511 F 108399 3512 F 108646 3513 F 108456 3514 F 108788 3515 F 108598 3516 F 108652	08 04 55 96
3508 F 108440 3509 F 108240 3510 F 108589 3511 F 108399 3512 F 108646 3513 F 108456 3514 F 108788 3515 F 108598 3516 F 108652	04 65 96
3509 F 108246 3510 F 108399 3511 F 108399 3512 F 108646 3513 F 108456 3514 F 108788 3515 F 108598 3516 F 108652	65 96
3510 F 108589 3511 F 108399 3512 F 108646 3513 F 108456 3514 F 108788 3515 F 108598 3516 F 108842 3517 F 108652	96
3511 F 108399 3512 F 108646 3513 F 108456 3514 F 108788 3515 F 108598 3516 F 108842 3517 F 108652	
3512 F 108646 3513 F 108456 3514 F 108788 3515 F 108598 3516 F 108842 3517 F 108652	10
3513 F 108456 3514 F 108788 3515 F 108598 3516 F 108842 3517 F 108652	10
3514 F 108788 3515 F 108598 3516 F 108842 3517 F 108652	58
3515 F 108598 3516 F 108842 3517 F 108652	53
3516 F 108842 3517 F 108652	39
3517 F 108652	5
	7
3518 F 108802	7
1 100072	.7
3519 F 108702	.7
3520 F 108966	8
3521 F 108776	8
3522 F 109265	5
3523 F 109076	7.
3524 F 109335	7
3525 F 109146	5
3526 F 109395	7
3527 F 109207	0
3528 F 109581	8
3529 F 109395	5
3530 F 109635	9
3531 F 109450	9
3532 F 109704	7
3533 F 109511	
3534 F 109736	4

5221 B 705 5222 B 704 5223 B 706 5224 B 706 5225 B 707 5226 B 706 5227 B 708 5228 B 707 5229 B 708 5230 B 707 5231 B 709 5232 B 708 5233 B 7108 5234 B 709 5235 B 7111 5236 B 7100 5237 B 7119 5238 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7124 5242 B 7124 5243 B 7168 <tr< th=""><th></th></tr<>	
5222 B 704 5223 B 706 5224 B 705 5225 B 707 5226 B 706 5227 B 708 5228 B 707 5229 B 708 5230 B 707 5231 B 709 5232 B 708 5233 B 7108 5234 B 709 5235 B 7111 5236 B 7108 5237 B 7119 5238 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5245 B 7168 <t< td=""><td>03443</td></t<>	03443
5223 B 706 5224 B 705 5225 B 707 5226 B 706 5227 B 708 5228 B 7076 5229 B 7089 5230 B 7078 5231 B 7097 5232 B 7089 5233 B 7108 5234 B 7092 5235 B 7111 5236 B 7110 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7124 5242 B 7124 5243 B 7150 5245 B 7168 5246 B 7178 5248 B 7178 5249 B 7184	05316
5224 B 705 5225 B 707 5226 B 706 5227 B 708 5228 B 707 5229 B 708 5230 B 707 5231 B 709 5232 B 708 5233 B 7108 5234 B 709 5235 B 7111 5236 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7124 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5249 B 7178 5249 B 7184	04441
5225 B 7076 5226 B 7066 5227 B 708 5228 B 7076 5229 B 708 5230 B 7078 5231 B 7097 5232 B 7089 5233 B 7108 5234 B 7092 5235 B 7111 5236 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5249 B 7196 5250 B 7184 5251 B 7203 </td <td>06351</td>	06351
5226 B 706 5227 B 708 5228 B 7076 5229 B 708 5230 B 7078 5231 B 709 5232 B 708 5233 B 7108 5234 B 709 5235 B 7111 5236 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5249 B 7184 5250 B 7184 5251 B 7203	05516
5227 B 708 5228 B 7070 5229 B 7089 5230 B 7073 5231 B 7092 5232 B 7089 5233 B 7108 5234 B 7092 5235 B 7111 5236 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7124 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5248 B 7178 5249 B 7184 5250 B 7184 5251 B 7203	07413
5228 B 7076 5229 B 7089 5230 B 7078 5231 B 7097 5232 B 7089 5233 B 7108 5234 B 7092 5235 B 7111 5236 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5248 B 7178 5249 B 7184 5250 B 7184 5251 B 7203	06312
5229 B 7089 5230 B 7078 5231 B 7097 5232 B 7089 5233 B 7108 5234 B 7092 5235 B 7111 5236 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	08190
5230 B 7078 5231 B 7097 5232 B 7089 5233 B 7108 5234 B 7092 5235 B 7111 5236 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7124 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	07058
5231 B 7097 5232 B 7089 5233 B 7108 5234 B 7092 5235 B 7111 5236 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	08979
5232 B 7089 5233 B 7108 5234 B 7092 5235 B 7111 5236 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	07856
5233 B 7108 5234 B 7092 5235 B 7111 5236 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	09719 -
5234 B 7092 5235 B 7111 5236 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	08906
5235 B 7111 5236 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	10811
5236 B 7100 5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	09258
5237 B 7119 5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	11132
5238 B 7103 5239 B 7122 5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	0074
5239 B 7122 5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	1924
5240 B 7117 5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7178 5247 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	0328
5241 B 7136 5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7159 5247 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	2212
5242 B 7124 5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7159 5247 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	1748
5243 B 7144 5244 B 7150 5245 B 7168 5246 B 7159 5247 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	3690
5244 B 7150 5245 B 7168 5246 B 7159 5247 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	2456
5245 B 7168 5246 B 7159 5247 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	4407
5246 B 7159 5247 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	5001
5247 B 7178 5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	6854
5248 B 7178 5249 B 7196 5250 B 7184 5251 B 7203	5983
5249 B 7196 5250 B 7184 5251 B 7203	7887
5250 B 7184 5251 B 7203	7800
5251 B 7203	9668
	8468
	0383
5252 B 7204	0469
5253 B 7223	2367
5254 B 7226	2645

1015			1		p			<u> </u>
1815	F	266037	3535	F	1095498	5255	В	724559
1816	F	268594	3536	F	1097646	5256	В	723280
1817	F	266756	3537	F	1095767	5257	В	725273
1818	F	269299	3538	F	1098161	5258	В	723775
1819	F	267505	3539	F	1096242	5259	В	725691
1820	F	271044	3540	F	1098560	5260	В	724469
1821	F	269121	3541	F	1096663	5261	В	726387
1822	F	271737	3542	F	1099044	5262	В	725016
1823	F	269838	3543	F	1097150	5263	В	726902
1824	F	272558	3544	F	1099454	5264	В	726088
1825	F	270645	3545	F	1097547	5265	В	727988
1826	F	273007	3546	F	1100878	5266	В	727397
1827	F	271098	3547	F	1098942	5267	В	729236
- 1828	F	273463	3548	F	1101839	5268	В	728347
1829	F	271500	3549	F	1099956	5269	В	730278
1830	F	273922	3550	F	1104621	5270	В	728816
1831	F	272057	3551	F	1102789	5271	В	730718
1832	F	275083	3552	F	1106487	5272	В	729846
1833	F	273094	3553	F	1104562	5273	В	731740
1834	F	275495	3554	F	1107225	5274	В	730005
1835	F	273554	3555	F	1105318	5275	В	731898
1836	F	275739	3556	F	1107814	5276	В	730377
1837	F	273878	3557	F	1105922	5277	В	732272
1838	F	276229	3558	F	1108282	5278	В	730759
1839	F	274371	3559	F	1106374	5279	В	732659
1840	F	276548	3560	F	1113162	5280	В	732249
1841	F	274638	3561	F	1111308	5281	В	734124
1842	F	277098	3562	F	1114813	5282	В	732647
1843	F	275178	3563	F	1112949	5283	В	734590
1844	F	277358	3564	F	1116611	5284	В	733144
1845	F	275448	3565	F	1114766	5285	В	735088
1846	F	277609	3566	F	1118605	5286	В	733858
1847	F	275739	3567	F	1116725	5287	В	735787
1848	F	278314	3568	F	1119754	5288	В	734124
1849	F	276386	3569	F	1117874	5289	В	736028
<u> </u>				<u> </u>		L	1	

1850	I	•	279310				
1851	I	7	277385				
1852	F	•	280627				
1853	F		278702				
1854	F		281471				
1855	F		279559				
1856	F	1	282239				
1857	F		280288				
1858	F	1	283832				
1859	F	1	281933				
1860	F	7	284384				
1861	F	7	282486				
1862	F	1	285373				
1863	F	T	283473				
1864	F	T	285919				
1865	F	1	284059				
1866	F	T	286742				
1867	F	T	284879				
1868	F	Ť	287216				
1869	F	T	285329				
1870	F	T	287671				
1871	F	T	285751				
1872	F	T	288273				
1873	F	T	286323				
1874	F	T	288618				
1875	F	T	286685				
1876	F	T	288273				
1877	F	T	286323				
1878	F		289723				
1879	F	1	287836				
1880	F		289508				
1881	F		287667				
1882	F		290750				
1883	F	-	-288858				
1884	F		291142				

3570	F		1120291				
3571	F	:	1118385	-			
3572	F	ì	1121099				
3573	F	7	1119202				
3574	F		1121886	_			
3575	F		1119982	-			
3576	F		1122979	-			
3577	F	7	1121038	-			
3578	F	1	1123376	-			
3579	F	1	1121486	1			
3580	F	1	1124136	1			
3581	F	1	1122333	1			
3582	F	1	1124623	1			
3583	F	1	1122723	-			
3584	F	T	1125306				
3585	F	\dagger	1123423				
3586	F	\dagger	1126300				
3587	F	T	1124399				
3588	F	\dagger	1127440				
3589	F	\dagger	1125545				
3590	F	†	1128968				
3591	F	T	1127134				
3592	F	\dagger	1129916				
3593	F	╁	1128111				
3594	F	T	1131255				
3595	F	T	1129330				
3596	F	T	1132598				
3597	F	\vdash	1130684				
3598	F	\vdash	1133896				
3599	F	-	1132002				
3600	F	-	1134373				
3601	F	\vdash	1132510				
3602	F		1135431				
3603	F	-	1133531				
3604	F		1135730				
	نـــــــــــــــــــــــــــــــــــــ						

5290	E	3	734523				
5291	В	3	736441				
5292	В	3	735088				
52 93	В	:	736978				
5294	В		735416				
5295	В		737315				
5296	В		735822				
5297	В		737700				
5298	В		736099				
5299	В		737981				
5300	В		736714				
5301	В	1	738612				
5302	В	1	737448				
5303	В		739321				
5304	В	T	737802				
5305	В		739693				
5306	В	T	738048				
5307	В	T	739948				
5308	В	T	738964				
5309	В	T	740808				
5310	В	T	739282				
5311	В	T	741190				
5312	В		739956				
5313	В	Γ	741906				
5314	В	Γ	740743				
5315	В		742597				
5316	В		741190				
5317	В	Γ	743081				
5318	В		741942				
5319	В		743875				
5320	В	_	743009				
5321	В		744914				
5322	В		743875				
5323	В		745738				
5324	В		744325				

1005	1 5	200050			T	1		
1885	F	289253	3605	F	1133823	5325	В	746234
1886	F	291702	3606	F	1136932	5326	В	744824
1887	F	289812	3607	F	1135040	5327	В	746724
1888	F	292522	3608	F	1139875	5328	В	745207
1889	F	290633	3609	F	1137942	5329	В	747073
1890	F	293035	3610	F	1141133	5330	В	746828
1891	F	291142	3611	F	1139231	5331	В	748738
1892	F	293731	3612	F	1142301	5332	В	747344
1893	F	291786	3613	F	1140366	5333	В	749206
1894	F	294530	3614	F	1145346	5334	В	748253
1895	F	292670	3615	F	1143505	5335	В	750094
1896	F	294367	3616	F	1146637	5336	В	748856
1897	F	292513	3617	F	1144743	5337	В	750717
_ 1898	F	296092	3618	F	1147417	5338	В	749376
1899	F	294209	3619	F	1145547	5339	В	751265
1900	F	297611	3620	F	1147981	5340	В	750180
1901	F	295757	3621	F	1146086	5341	В	752086
1902	F	298027	3622	F	1148126	5342	В	750667
1903	F	296092	3623	F	1146211	5343	В	752569
1904	F	298555	3624	F	1148913	5344	В	751458
1905	F	296582	3625	F	1147044	5345	В	753343
1906	F	299403	3626	F	1149702	5346	В	753262
1907	F	297511	3627	F	1147890	5347	В	755162
1908	F	300409	3628	F	1150561	5348	В	754535
1909	F	298579	3629	F	1148660	5349	В	756429
1910	F	301332	3630	F	1150946	5350	В	756398
1911	F	299433	3631	F	1149046	5351	В	758298
1912	F	302215	3632	F	1152302	5352	В	756708
1913	F	300282	3633	F	1150392	5353	В	758611
1914	F	302492	3634	F	1154344	5354	В	760465
1915	F	300618	3635	F	1152371	5355	В	762358
1916	F	303627	3636	F	1155448	5356	В	761441
1917	F	301730	3637	F	1153548	5357	В	763356
1918	F	304350	3638	F	1156630	5358	В	762077
1919	F	302487	3639	F	1154729	5359	В	763945
						L		

1920		F	305173			
1921		F	303226			
1922		F	306244			
1923		F	304350			
1924		F	307232			
1925]	F	305310			
1926		F	307799			
1927]	7	305877			
1928	I	7	309173			
1929	I	7	307301			
1930	F	7	310158			
1931	F	7	308306			
1932	F		311020			
1933	F		309118			
1934	F		311031			
1935	F	1	309126			
1936	F	1	311552			
1937	F	1	309658			
1938	F	T	312510			
1939	F	T	310614			
1940	F	T	313134			
1941	F	T	311255			
1942	F	T	313674			
1943	F	十	311717			
1944	F	T	314490			
1945	F	T	312633			
1946	F	T	315306			
1947	F	T	313355			
1948	F	\dagger	315932			
1949	F	T	314033			
1950	F	\vdash	318434			
1951	F		316516			
1952	F		320876			
1953	F.		-318949			
1954	F		321403			

	200								
	3640			F	1157756				
	3641		F		1155862				
	3642		F		1160695				
ſ	3643		F		1158788				
ſ	3644		ì	F	1162326	_			
T	3645		I	7	1160468	-			
	3646		F	7	1163300				
	3647		F	7	1161413	_			
	3648	1	F	;	1163763	_			
	3649		F		1161842	_			
	3650	7	F	7	1164224				
r	3651	7	F	+	1162283	-			
	3652	1	F	1	1164800				
	3653	†	F	1	1162908				
Γ	3654	†	F		1165312				
	3655	\dagger	F	T	1163427	_			
	3656	\dagger	F	\dagger	1165877				
	3657	T	F	\dagger	1163960				
	3658	T	F	1	1166827				
	3659	T	F	T	1164936				
	3660	T	F	1	1168099				
	3661	T	F	\dagger	1166212				
	3662	T	F	T	1168991				
	3663		F	\dagger	1167093				
	3664		F	T	1169769	l			
	3665]	F	T	1167907				
	3666	7	F	T	1170349				
	3667]	F	\vdash	1168446				
	3668]	F		1170953				
	3669	I	F		1169031				
	3670	I	:		1171641				
	3671	F	F		1169703				
	3672	F		_	1172172				
	3673	F			1170256				
	3674	F	1		1173649	i			
			_1						

1									
	5360			B 	762528				
	5361			3	764410				
	5362			3	763118				
	5363			3	765018				
	5364		E	3	763539				
	5365		E	3	765504				
	5366		E	}	764000				
	5367		B	}	765907				
	5368		В		765391				
	5369	1	В		767328				
	5370	1	В		767041				
	5371	1	В	1	768951				
Ī	5372		В	1	768271				
	5373	†	В	1	770171				
ľ	5374	1	В		768799				
ľ	5375	†	В		770686				
r	5376	†	В		769562				
ľ	5377		В		771608				
	5378	†	В	\dagger	770752				
	5379	T	В	\dagger	772652				
	5380	T	В	\dagger	771701				
	5381	T	В	T	773620				
	5382	\dagger	В	t	773316				
	5383	T	В	T	775178				
_	5384		В		773690				
	5385		В	t	775579				
_	5386]	В		774596				
_	5387		В	H	776522				
	5388		3		776300				
_	5389		3	-	778224				
	5390]		3	H	775346				
_	5391 I		3	-	777266				
	5392]		3	-	775618				
	5393	I	3	_	777518				
_	5394	F	3		777266				
-									

				2	231
1955	F	319547	. 3675	F	1171759
1956	F	322084	3676	F	1174885
1957	F	320217	3677	F	1172999
1958	F	322911	3678	F	1175559
1959	F	321049	3679	F	1173649
1960	F	323634	3680	F	1176927
1961	F	321726	3681	F	1175025
1962	F	325117	3682	F	1178912
1963	F	323211	3683	F	1176985
1964	F	326213	3684	F	1179826
1965	F	324254	3685	F	1177910
1966	F	327607	3686	F	1180498
1967	F	325695	3687	F	1178666
. 1968	F	328162	3688	F	1181716
1969	F	326262	3689	F	1179839
1970	F	328630	3690	F	1182069
1971	F	326723	3691	F	1180140
1972	F	329134	3692	F	1183626
1973	F	327178	3693	F	1181716
1974	F	330734	3694	F	1184128
1975	F	328810	3695	F	1182244
1976	F	332123	3696	F	1185004
1977	F	330252	3697	F	1183084
1978	F	334575	3698	F	1185897
1979	F	332660	3699	F	1184029
1980	F	335884	3700	F	1187151
1981	F	333980	3701	F	1185251
1982	F	337129	3702	F	1186262
1983	F	335202	3703	F	1184361
1984	F	337910	3704	F	1189054
1985	F	335955	3705	F	1187160
1986	F	338746	3706	F	1190885
1987	F	336795	3707	F	1188990
1988	F	339217	3708	F	1191507
1989	F	337362	3709	F	1189579
				1	

5395	В	779200
5396	В	778224
5397	В	780087
5398	В	778396
5399	В	780301
5400	В	779557
5401	В	781481
5402	В	780503
5403	В	782380
5404	В	781419
5405	В	783311
5406	В	781747
5407	В	783680
5408	В	783004
5409	В	784912
5410	В	783820
5411	В	785752
5412	В	785255
5413	В	787155
5414	В	786655
5415	В	788572
5416	В	788671
5417	В	790554
5418	В	789164
5419	В	791064
5420	В	790001
5421	В	791900
5422	В	791734
5423	В	793679
5424	В	792944
5425	В	794875
5426	В	793809
5427	В	795692
5428	В	794580
5429	В	796450

1990	F	339999
1991	F	338083
1992	F	343144
1993	F	341266
1994	F	343699
1995	F	341813
1996	F	344108
1997	F	342204
1998	F	344851
1999	F	342933
2000	F	346148
2001	F	344219
2002	F	346493
2003	F	344590
2004	F	346815
2005	F	344907
2006	F	347836
2007	F	345956
2008	F	350379
2009	F	348432
2010	F	350856
2011	F	348951
2012	F	352008
2013	F	350106
2014	F	353209
2015	F	351305
2016	F	354224
2017	F	352312
2018	F	354781
2019	F	352871
2020	F	355223
2021	F	353261
2022	F	355393
2023	F	353519
2024	F	358901

		Z3Z
3710	F	1191932
3711	F	1190008
3712	F	1192524
3713	F	1190640
3714	F	1192759
3715	F	1190869
3716	F	1193642
3717	F	1191742
3718	F	1193557
3719	F	1191657
3720	F	1194015
3721	F	1192120
3722	F	1195490
3723	F	1193560
3724	F	1196093
3725	F	1194215
3726	F	1196474
3727	F	1194592
3728	F	1197659
3729	F	1195724
3730	F	1198499
3731	F	1196578
3732	F	1199912
3733	F	1197986
3734	F	1200969
3735	F	1199133
3736	F	1202121
3737	F	1200227
3738	F	1202957
3739	F	1201058
3740	F	1202590
3741	F	1200694
3742	F	1203923
3743	F	1202049
3744	F	1204631
1		

5430	В	795066
5431	В	796966
5432	В	795956
5433	В	797855
5434	В	797018
5435	В	798918
5436	В	798989
5437	В	800875
5438	В	800069
5439	В	801944
5440	В	799840
5441	В	801701
5442	В	801533
5443	В	803445
5444	В	802717
5445	В	804581
5446	В	803559
5447	В	805419
5448	В	804032
5449	В	805931
5450	В	805383
5451	В	807291
5452	В	806107
5453	В	807988
5454	В	806533
5455	В	808430
5456	В	806954
5457	В	808724
5458	В	807133
5459	В	809033
5460	В	808442
5461	В	810357
5462	В	808972
5463	В	810896
5464	В	809674

	1 ==				y			
2025	F	357001	3745	F	1202753	5465	В	811557
2026	F	356594	3746	F	1205864	5466	В	810192
2027	F	354692	3747	F	1203964	5467	В	812105
2028	F	359240	3748	F	1206483	5468	В	811472
2029	F	357374	3749	F	1204592	5469	В	813357
2030	F	359721	3750	F	1207629	5470	В	813325
2031	F	357763	3751	F	1205727	5471	В	815179
2032	F	361071	3752	F	1208802	5472	В	813133
2033	F	359240	3753	F	1206909	5473	В	815134
2034	F	363605	3754	F	1209500	5474	В	813808
2035	F	361731	3755	F	1207557	5475	В	815737
2036	F	364142	3756	F	1210483	5476	В	815246
2037	F	362246	3757	F	1208584	5477	В	817168
. 2038	F	364567	3758	F	1211618	5478	В	815995
2039	F	362708	3759	F	1209745	5479	В	817892
2040	F	365039	3760	F	1212523	5480	В	817264
2041	F	363184	3761	F	1210554	5481	В	819164
2042	F	365445	3762	F	1213827	5482	В	817579
2043	F	363517	3763	F	1211927	5483	В	819491
2044	F	367040	3764	F	1214875	5484	В	818890
2045	F	365144	3765	F	1212992	5485	В	820733
2046	. F	368825	3766	F	1215293	5486	В	819332
2047	F	366993	3767	F	1213430	5487	В	821217
2048	F	369698	3768	F	1216043	5488	В	820096
2049	F	367760	3769	F	1214183	5489	В	821951
2050	F	370141	3770	F	1216226	5490	В	820945
2051	F	368239	3771	F	1214374	5491	В	822870
2052	F	372329	3772	F	1216927	5492	В	821151
2053	F	370375	3773	F	1215064	5493	В	823079
2054	F	372779	3774	F	1219490	5494	В	822558
2055	F	370881	3775	F	1217534	5495	В	824449
2056	F	373223	3776	F	1219431	5496	В	823767
2057	F	371342	3777	F	1217534	5497	В	825634
2058	F	373939	3778	F	1220403	5498	В	825876
2059	F	372017	3779	F	1218475	5499	В	827737
					J	<u> </u>	ــــــــــــــــــــــــــــــــــــــ	

2061 F 372953 3781 F 1219499 5501 B 828435	2060	F	374849	3780	F	1221383	5500	В	826583
2063 F 373487 3783 F 1221767 5503 B 829428 2064 F 376316 3784 F 1224758 5504 B 828829 2065 F 374416 3785 F 1222881 5505 B 830729 2066 F 377737 3786 F 1226308 5506 B 830262 2067 F 375828 3787 F 1224409 5507 B 832158 2068 F 379537 3788 F 1225625 5508 B 831286 2069 F 377660 3789 F 1223654 5509 B 833182 2070 F 380033 3790 F 1227566 5510 B 831946 2071 F 380789 3792 F 1227858 5512 B 833372 2073 F 380789 3793 F	2061	F	372953	3781	F	1219499	5501	В	828435
2064 F 376316 3784 F 1224758 5504 B 828829 2065 F 374416 3785 F 1222881 5505 B 830729 2066 F 377737 3786 F 1226308 5506 B 830262 2067 F 375828 3787 F 1224409 5507 B 832158 2068 F 379537 3788 F 1225625 5508 B 831286 2069 F 377660 3789 F 1223654 5509 B 833182 2070 F 380033 3790 F 1227566 5510 B 831946 2071 F 378160 3791 F 1225677 5511 B 833848 2072 F 380789 3792 F 1227858 5512 B 833372 2073 F 381238 3793 F	2062	F	375351	3782	F	1223653	5502	В	827511
2065 F 374416 3785 F 1222881 5505 B 830729 2066 F 377737 3786 F 1226308 5506 B 830262 2067 F 375828 3787 F 1224409 5507 B 832158 2068 F 379537 3788 F 1225625 5508 B 831286 2069 F 377660 3789 F 1223654 5509 B 8331826 2070 F 380033 3790 F 1227666 5510 B 831946 2071 F 378160 3791 F 1225677 5511 B 833484 2072 F 380789 3792 F 1227858 5512 B 833372 2073 F 381238 3794 F 1226189 5513 B 835267 2074 F 381238 3796	2063	F	373487	3783	F	1221767	5503	В	829428
2066 F 377737 3786 F 1226308 5506 B 830262	2064	F	376316	3784	F	1224758	5504	В	828829
2067 F 375828 3787 F 1224409 5507 B 832158	2065	F	374416	3785	F	1222881	5505	В	830729
2068 F 379537 3788 F 1225625 5508 B 831286 2069 F 377660 3789 F 1223654 5509 B 833182 2070 F 380033 3790 F 1227566 5510 B 831946 2071 F 378160 3791 F 1225677 5511 B 833484 2072 F 380789 3792 F 1227858 5512 B 833372 2073 F 378889 3793 F 1225937 5513 B 835267 2074 F 381238 3794 F 1228081 5514 B 834125 2075 F 379279 3795 F 1226189 5515 B 835992 2076 F 382969 3796 B 1019 5516 B 835267 2077 F 381124 3797 B <td>2066</td> <td>F</td> <td>377737</td> <td>3786</td> <td>F</td> <td>1226308</td> <td>5506</td> <td>В</td> <td>830262</td>	2066	F	377737	3786	F	1226308	5506	В	830262
2069 F 377660 3789 F 1223654 5509 B 833182 2070 F 380033 3790 F 1227566 5510 B 831946 2071 F 378160 3791 F 1227676 5511 B 833488 2072 F 380789 3792 F 1227858 5512 B 833372 2073 F 378889 3793 F 1225937 5513 B 835267 2074 F 381238 3794 F 1228081 5514 B 834125 2075 F 379279 3795 F 1226189 5515 B 835992 2076 F 382969 3796 B 1019 5516 B 835267 2077 F 38124 3797 B 2954 5517 B 837193 2078 F 383293 3798 B	2067	F	375828	3787	F	1224409	5507	В	832158
2070 F 380033 3790 F 1227566 5510 B 831946 2071 F 378160 3791 F 1227567 5511 B 833848 2072 F 380789 3792 F 1227858 5512 B 833372 2073 F 378889 3793 F 1225937 5513 B 835267 2074 F 381238 3794 F 1228081 5514 B 834125 2075 F 379279 3795 F 1226189 5515 B 835992 2076 F 382969 3796 B 1019 5516 B 835267 2077 F 381124 3797 B 2954 5517 B 837193 2078 F 381425 3799 B 3739 5519 B 837844 2080 F 385178 3800 B	2068	F	379537	3788	F	1225625	5508	В	831286
2071 F 378160 3791 F 1225677 5511 B 833848 2072 F 380789 3792 F 1227858 5512 B 833372 2073 F 378889 3793 F 1225937 5513 B 835267 2074 F 381238 3794 F 1228081 5514 B 834125 2075 F 379279 3795 F 1226189 5515 B 835992 2076 F 382969 3796 B 1019 5516 B 835267 2077 F 381124 3797 B 2954 5517 B 837193 2078 F 383293 3798 B 1843 5518 B 836111 2079 F 381425 3799 B 3739 5519 B 837844 2081 F 383278 3801 B	2069	F	377660	3789	F	1223654	5509	В	833182
2072 F 380789 3792 F 1227858 5512 B 833372 2073 F 378889 3793 F 1225937 5513 B 835267 2074 F 381238 3794 F 1228081 5514 B 834125 2075 F 379279 3795 F 1226189 5515 B 835992 2076 F 382969 3796 B 1019 5516 B 835267 2077 F 381124 3797 B 2954 5517 B 837193 2078 F 383293 3798 B 1843 5518 B 836111 2079 F 381425 3799 B 3739 5519 B 837952 2080 F 385178 3800 B 2694 5520 B 837844 2081 F 386271 3802 B <	2070	F	380033	3790	F	1227566	5510	В	831946
2073 F 378889 3793 F 1225937 5513 B 835267 2074 F 381238 3794 F 1228081 5514 B 834125 2075 F 379279 3795 F 1226189 5515 B 835992 2076 F 382969 3796 B 1019 5516 B 835267 2077 F 381124 3797 B 2954 5517 B 837193 2078 F 383293 3798 B 1843 5518 B 836111 2079 F 381425 3799 B 3739 5519 B 837952 2080 F 385178 3800 B 2694 5520 B 837844 2081 F 386271 3802 B 3694 5521 B 839381 2082 F 386780 3804 B	2071	F	378160	3791	F	1225677	5511	В	833848
2074 F 381238 3794 F 1228081 5514 B 834125 2075 F 379279 3795 F 1226189 5515 B 835992 2076 F 382969 3796 B 1019 5516 B 835267 2077 F 381124 3797 B 2954 5517 B 837193 2078 F 383293 3798 B 1843 5518 B 836111 2079 F 381425 3799 B 3739 5519 B 837952 2080 F 385178 3800 B 2694 5520 B 837844 2081 F 383278 3801 B 4545 5521 B 839751 2082 F 386271 3802 B 3694 5522 B 839381 2083 F 384392 3804 B 429	2072	F	380789	3792	F	1227858	5512	В	833372
2075 F 379279 3795 F 1226189 5515 B 835992 2076 F 382969 3796 B 1019 5516 B 835267 2077 F 381124 3797 B 2954 5517 B 837193 2078 F 383293 3798 B 1843 5518 B 836111 2079 F 381425 3799 B 3739 5519 B 837952 2080 F 385178 3800 B 2694 5520 B 837844 2081 F 386271 3802 B 3694 5521 B 839751 2082 F 386271 3802 B 3694 5522 B 839381 2083 F 384392 3803 B 5513 5523 B 841221 2084 F 389383 3806 B 4290 </td <td>2073</td> <td>F</td> <td>378889</td> <td>3793</td> <td>F</td> <td>1225937</td> <td>5513</td> <td>В</td> <td>835267</td>	2073	F	378889	3793	F	1225937	5513	В	835267
2076 F 382969 3796 B 1019 5516 B 835267 2077 F 381124 3797 B 2954 5517 B 837193 2078 F 383293 3798 B 1843 5518 B 836111 2079 F 381425 3799 B 3739 5519 B 837952 2080 F 385178 3800 B 2694 5520 B 837844 2081 F 385278 3801 B 4545 5521 B 839751 2082 F 386271 3802 B 3694 5522 B 839381 2083 F 384392 3803 B 5513 5523 B 841221 2084 F 386780 3804 B 4290 5524 B 841127 2085 F 384891 3805 B 6238	2074	F	381238	3794	F	1228081	5514	В	834125
2077 F 381124 3797 B 2954 5517 B 837193 2078 F 383293 3798 B 1843 5518 B 836111 2079 F 381425 3799 B 3739 5519 B 837952 2080 F 385178 3800 B 2694 5520 B 837844 2081 F 383278 3801 B 4545 5521 B 839751 2082 F 386271 3802 B 3694 5522 B 839381 2083 F 384392 3803 B 5513 5523 B 841221 2084 F 386780 3804 B 4290 5524 B 841127 2085 F 384891 3805 B 6238 5525 B 843073 2086 F 389383 3806 B 5924	2075	F	379279	3795	F	1226189	5515	В	835992
2078 F 383293 3798 B 1843 5518 B 836111 2079 F 381425 3799 B 3739 5519 B 837952 2080 F 385178 3800 B 2694 5520 B 837844 2081 F 383278 3801 B 4545 5521 B 839751 2082 F 386271 3802 B 3694 5522 B 839381 2083 F 384392 3803 B 5513 5523 B 841221 2084 F 386780 3804 B 4290 5524 B 841127 2085 F 384891 3805 B 6238 5525 B 843073 2086 F 389383 3806 B 5924 5526 B 8442409 2087 F 388001 3808 B 7687 <td>2076</td> <td>F</td> <td>382969</td> <td>3796</td> <td>В</td> <td>1019</td> <td>5516</td> <td>В</td> <td>835267</td>	2076	F	382969	3796	В	1019	5516	В	835267
2079 F 381425 3799 B 3739 5519 B 837952 2080 F 385178 3800 B 2694 5520 B 837844 2081 F 383278 3801 B 4545 5521 B 839751 2082 F 386271 3802 B 3694 5522 B 839381 2083 F 384392 3803 B 5513 5523 B 841221 2084 F 386780 3804 B 4290 5524 B 841127 2085 F 384891 3805 B 6238 5525 B 843073 2086 F 389383 3806 B 5924 5526 B 842409 2087 F 387504 3808 B 7687 5528 B 843691 2089 F 388001 3809 B 9583	2077	F	381124	3797	В	2954	5517	В	837193
2080 F 385178 3800 B 2694 5520 B 837844 2081 F 383278 3801 B 4545 5521 B 839751 2082 F 386271 3802 B 3694 5522 B 839381 2083 F 384392 3803 B 5513 5523 B 841221 2084 F 386780 3804 B 4290 5524 B 841127 2085 F 384891 3805 B 6238 5525 B 843073 2086 F 389383 3806 B 5924 5526 B 842409 2087 F 387504 3807 B 7846 5527 B 844323 2088 F 38901 3808 B 7687 5528 B 843691 2089 F 388001 3809 B 9583	2078	F	383293	3798	В	1843	5518	В	836111
2081 F 383278 3801 B 4545 5521 B 839751 2082 F 386271 3802 B 3694 5522 B 839381 2083 F 384392 3803 B 5513 5523 B 841221 2084 F 386780 3804 B 4290 5524 B 841127 2085 F 384891 3805 B 6238 5525 B 843073 2086 F 389383 3806 B 5924 5526 B 842409 2087 F 387504 3807 B 7846 5527 B 844323 2088 F 38901 3808 B 7687 5528 B 843691 2090 F 390700 3810 B 9189 5530 B 844244 2091 F 388732 3811 B 11095	2079	F	381425	3799	В	3739	5519	В	837952
2082 F 386271 3802 B 3694 5522 B 839381 2083 F 384392 3803 B 5513 5523 B 841221 2084 F 386780 3804 B 4290 5524 B 841127 2085 F 384891 3805 B 6238 5525 B 843073 2086 F 389383 3806 B 5924 5526 B 842409 2087 F 387504 3807 B 7846 5527 B 844323 2088 F 389901 3808 B 7687 5528 B 843691 2089 F 388001 3809 B 9583 5529 B 845602 2090 F 390700 3810 B 9189 5530 B 844244 2091 F 391612 3812 B 10261 <td>2080</td> <td>F</td> <td>385178</td> <td>3800</td> <td>В</td> <td>2694</td> <td>5520</td> <td>В</td> <td>837844</td>	2080	F	385178	3800	В	2694	5520	В	837844
2083 F 384392 3803 B 5513 5523 B 841221 2084 F 386780 3804 B 4290 5524 B 841127 2085 F 384891 3805 B 6238 5525 B 843073 2086 F 389383 3806 B 5924 5526 B 842409 2087 F 387504 3807 B 7846 5527 B 844323 2088 F 389901 3808 B 7687 5528 B 843691 2089 F 388001 3809 B 9583 5529 B 845602 2090 F 390700 3810 B 9189 5530 B 844244 2091 F 388732 3811 B 11095 5531 B 845319 2092 F 391612 3812 B 10261 <td>2081</td> <td>F</td> <td>383278</td> <td>3801</td> <td>В</td> <td>4545</td> <td>5521</td> <td>В</td> <td>839751</td>	2081	F	383278	3801	В	4545	5521	В	839751
2084 F 386780 3804 B 4290 5524 B 841127 2085 F 384891 3805 B 6238 5525 B 843073 2086 F 389383 3806 B 5924 5526 B 842409 2087 F 387504 3807 B 7846 5527 B 844323 2088 F 389901 3808 B 7687 5528 B 843691 2089 F 388001 3809 B 9583 5529 B 845602 2090 F 390700 3810 B 9189 5530 B 844244 2091 F 388732 3811 B 11095 5531 B 846153 2092 F 391612 3812 B 10261 5532 B 845319 2093 F 389763 3813 B 12119 </td <td>2082</td> <td>F</td> <td>386271</td> <td>3802</td> <td>В</td> <td>3694</td> <td>5522</td> <td>В</td> <td>839381</td>	2082	F	386271	3802	В	3694	5522	В	839381
2085 F 384891 3805 B 6238 5525 B 843073 2086 F 389383 3806 B 5924 5526 B 842409 2087 F 387504 3807 B 7846 5527 B 844323 2088 F 389901 3808 B 7687 5528 B 843691 2089 F 388001 3809 B 9583 5529 B 845602 2090 F 390700 3810 B 9189 5530 B 844244 2091 F 388732 3811 B 11095 5531 B 846153 2092 F 391612 3812 B 10261 5532 B 845319 2093 F 389763 3813 B 12119 5533 B 847139	2083	F	384392	3803	В	5513	5523	В	841221
2086 F 389383 3806 B 5924 5526 B 842409 2087 F 387504 3807 B 7846 5527 B 844323 2088 F 389901 3808 B 7687 5528 B 843691 2089 F 388001 3809 B 9583 5529 B 845602 2090 F 390700 3810 B 9189 5530 B 844244 2091 F 388732 3811 B 11095 5531 B 846153 2092 F 391612 3812 B 10261 5532 B 845319 2093 F 389763 3813 B 12119 5533 B 847139	2084	F	386780	3804	В	4290	5524	В	841127
2087 F 387504 3807 B 7846 5527 B 844323 2088 F 389901 3808 B 7687 5528 B 843691 2089 F 388001 3809 B 9583 5529 B 845602 2090 F 390700 3810 B 9189 5530 B 844244 2091 F 388732 3811 B 11095 5531 B 846153 2092 F 391612 3812 B 10261 5532 B 845319 2093 F 389763 3813 B 12119 5533 B 847139	2085	F	384891	3805	В	6238	5525	В	843073
2088 F 389901 3808 B 7687 5528 B 843691 2089 F 388001 3809 B 9583 5529 B 845602 2090 F 390700 3810 B 9189 5530 B 844244 2091 F 388732 3811 B 11095 5531 B 846153 2092 F 391612 3812 B 10261 5532 B 845319 2093 F 389763 3813 B 12119 5533 B 847139	2086	F	389383	3806	В	5924	5526	В	842409
2089 F 388001 3809 B 9583 5529 B 845602 2090 F 390700 3810 B 9189 5530 B 844244 2091 F 388732 3811 B 11095 5531 B 846153 2092 F 391612 3812 B 10261 5532 B 845319 2093 F 389763 3813 B 12119 5533 B 847139	2087	F	387504	3807	В	7846	5527	В	844323
2090 F 390700 3810 B 9189 5530 B 844244 2091 F 388732 3811 B 11095 5531 B 846153 2092 F 391612 3812 B 10261 5532 B 845319 2093 F 389763 3813 B 12119 5533 B 847139	2088	F	389901	3808	В	7687	5528	В	843691
2091 F 388732 3811 B 11095 5531 B 846153 2092 F 391612 3812 B 10261 5532 B 845319 2093 F 389763 3813 B 12119 5533 B 847139		F	388001	3809	В	9583	5529	В	845602
2092 F 391612 3812 B 10261 5532 B 845319 2093 F 389763 3813 B 12119 5533 B 847139	<u></u>	F	390700	3810	В	9189	5530	В	844244
2093 F 389763 3813 B 12119 5533 B 847139	2091	F	388732	3811	В	11095	5531	В	846153
2004 5 2005 5 2005	2092	F	391612	3812	В	10261	5532	В	845319
2004 E 202246 2014 B 1022	2093	F	389763	3813	В	12119	5533	В	847139
2094 F 392346 3814 B 10982 5534 B 846411	2094	F	392346	3814	В	10982	5534	В	846411

2096 F 392540 3816 B 11463 5536 B 848760 2097 F 390639 3817 B 13355 5537 B 850653 2098 F 393487 3818 B 12950 5538 B 849242 2099 F 391609 3819 B 14850 5539 B 851174 2100 F 393904 3820 B 14425 5540 B 850753 2101 F 392025 3821 B 16332 5541 B 852649 2102 F 394703 3822 B 17477 5542 B 851795 2103 F 392782 3823 B 19400 5543 B 852696 2104 F 395024 3824 B 16296 5544 B 853938 2106 F 395705 3826 B	2095	F	200462	2015	T D	12020	5535	T 5	0.40200
2097 F 390639 3817 B 13355 5537 B 850653 2098 F 393487 3818 B 12950 5538 B 849242 2099 F 391609 3819 B 14850 5539 B 851174 2100 F 393904 3820 B 14425 5540 B 850753 2101 F 392025 3821 B 16332 5541 B 852649 2102 F 394703 3822 B 17477 5542 B 851795 2103 F 392782 3823 B 19400 5543 B 853690 2104 F 395024 3824 B 16296 5544 B 852696 2105 F 393098 3825 B 281161 5545 B 854596 2107 F 395705 3828 B <td< td=""><td></td><td></td><td>390463</td><td>3815</td><td>В</td><td>12839</td><td>5535</td><td>В</td><td>848300</td></td<>			390463	3815	В	12839	5535	В	848300
2098 F 393487 3818 B 12950 5538 B 849242 2099 F 391609 3819 B 14850 5539 B 851174 2100 F 39304 3820 B 14425 5540 B 850753 2101 F 392025 3821 B 16332 5541 B 852649 2102 F 394703 3822 B 17477 5542 B 851795 2103 F 392782 3823 B 19400 5543 B 853690 2104 F 395024 3824 B 16296 5544 B 852696 2105 F 393098 3825 B 18161 5545 B 854596 2106 F 395705 3826 B 21228 5546 B 85338 2109 F 395705 3828 B 22								В	
2099					В	13355	5537	В	850653
2100 F 393904 3820 B 14425 5540 B 850753 2101 F 392025 3821 B 16332 5541 B 852649 2102 F 394703 3822 B 17477 5542 B 851795 2103 F 392782 3823 B 19400 5543 B 853690 2104 F 395024 3824 B 16296 5544 B 852696 2105 F 393098 3825 B 18161 5545 B 854596 2106 F 395705 3826 B 21128 5546 B 853938 2107 F 393791 3827 B 22976 5547 B 855846 2108 F 397607 3828 B 22265 5548 B 855338 2109 F 395705 3831 B	2098	F	393487	3818	В	12950	5538	В	849242
2101 F 392025 3821 B 16332 5541 B 852649 2102 F 394703 3822 B 17477 5542 B 851795 2103 F 392782 3823 B 19400 5543 B 853690 2104 F 395024 3824 B 16296 5544 B 852699 2105 F 393098 3825 B 18161 5545 B 854596 2106 F 395705 3826 B 21128 5546 B 853938 2107 F 393791 3827 B 22976 5547 B 855846 2108 F 397607 3828 B 22265 5548 B 855338 2109 F 395705 3829 B 24185 5549 B 857240 2110 F 398807 3830 B 23701 5550 B 855982 2111 F 396957 3831 B 25599 5551 B 857873 2112 F 399848 3832 B 26350 5552 B 856786 2113 F 397886 3833 B 28258 5553 B 858722 2114 F 400914 3834 B 26350 5554 B 858783 2115 F 399008 3835 B 28258 5555 B 860735 2116 F 401183 3836 B 27241 5556 B 859824 2117 F 399301 3837 B 29113 5557 B 861787 2118 F 401964 3838 B 27977 5558 B 860442 2119 F 400600 3839 B 29896 5559 B 862329 2120 F 403450 3840 B 28804 5560 B 861415 2121 F 401527 3841 B 30700 5561 B 863252 2122 F 404124 3842 B 29727 5566 B 861415 2123 F 40206 3843 B 31642 5563 B 863558 2124 F 405765 3844 B 30253 5564 B 863171 2125 F 403865 3845 B 33158 5567 B 866922 2126 F 407456 3848 B 33511 5566 B 865497 2128 F 407456 3848 B 33511 5566 B 865497 2128 F 407456 3848 B 33511 5566 B 865497 2128 F 407456 3848 B 33511 5566 B 865497 2128 F 407456 3848 B 33511 5566 B 865497 2128 F 407456 3848 B 33511 5566 B 865497 2128 F 407456 3848 B 33511 5566 B 865497 2128 F 407456 3848 B 33511 5566 B 865497 2126 F 407456 3848 B 3	2099	F	391609	3819	В	14850	5539	В	851174
2102 F 394703 3822 B 17477 5542 B 851795 2103 F 392782 3823 B 19400 5543 B 853690 2104 F 395024 3824 B 16296 5544 B 852696 2105 F 393098 3825 B 18161 5545 B 854596 2106 F 395705 3826 B 21128 5546 B 853938 2107 F 393791 3827 B 22976 5547 B 855846 2108 F 397607 3828 B 22265 5548 B 855338 2109 F 395705 3829 B 24185 5549 B 857240 2110 F 398807 3830 B 23701 5550 B 855982 2111 F 399848 3832 B	2100	F	393904	3820	В	14425	5540	В	850753
2103 F 392782 3823 B 19400 5543 B 853690 2104 F 395024 3824 B 16296 5544 B 852696 2105 F 393098 3825 B 18161 5545 B 854596 2106 F 395705 3826 B 21128 5546 B 853938 2107 F 393791 3827 B 22976 5547 B 855846 2108 F 397607 3828 B 22265 5548 B 855338 2109 F 395705 3829 B 24185 5549 B 857240 2110 F 398807 3830 B 23701 5550 B 855982 2111 F 399848 3832 B 26350 5552 B 856786 2113 F 399848 3833 B	2101	F	392025	3821	В	16332	5541	В	852649
2104 F 395024 3824 B 16296 5544 B 852696 2105 F 393098 3825 B 18161 5545 B 854596 2106 F 395705 3826 B 21128 5546 B 853938 2107 F 393791 3827 B 22976 5547 B 855846 2108 F 397607 3828 B 22265 5548 B 855338 2109 F 395705 3829 B 24185 5549 B 857240 2110 F 398807 3830 B 23701 5550 B 855982 2111 F 399848 3832 B 26350 5552 B 856786 2113 F 397886 3833 B 28258 5553 B 858722 2114 F 400914 3834 B	2102	F	394703	3822	В	17477	5542	В	851795
2105 F 393098 3825 B 18161 5545 B 854596 2106 F 395705 3826 B 21128 5546 B 853938 2107 F 393791 3827 B 22976 5547 B 855846 2108 F 397607 3828 B 22265 5548 B 855338 2109 F 395705 3829 B 24185 5549 B 857240 2110 F 398807 3830 B 23701 5550 B 855982 2111 F 396957 3831 B 25599 5551 B 857873 2112 F 399848 3832 B 26350 5552 B 856786 2113 F 397886 3833 B 28258 5553 B 858722 2114 F 400914 3834 B	2103	F	392782	3823	В	19400	5543	В	853690
2106 F 395705 3826 B 21128 5546 B 853938 2107 F 393791 3827 B 22976 5547 B 855846 2108 F 397607 3828 B 22265 5548 B 855338 2109 F 395705 3829 B 24185 5549 B 857240 2110 F 398807 3830 B 23701 5550 B 855982 2111 F 396957 3831 B 25599 5551 B 857873 2112 F 399848 3832 B 26350 5552 B 856786 2113 F 397886 3833 B 28258 5553 B 858722 2114 F 400914 3834 B 26350 5554 B 858783 2115 F 399008 3835 B	2104	F	395024	3824	В	16296	5544	В	852696
2107 F 393791 3827 B 22976 5547 B 855846 2108 F 397607 3828 B 22265 5548 B 855846 2109 F 395705 3829 B 24185 5549 B 857240 2110 F 398807 3830 B 23701 5550 B 855982 2111 F 396957 3831 B 25599 5551 B 857873 2112 F 399848 3832 B 26350 5552 B 856786 2113 F 397886 3833 B 28258 5553 B 858722 2114 F 400914 3834 B 26350 5554 B 858783 2116 F 401183 3836 B 27241 5556 B 860735 2116 F 401183 3837 B	2105	F	393098	3825	В	18161	5545	В	854596
2108 F 397607 3828 B 22265 5548 B 855338 2109 F 395705 3829 B 24185 5549 B 857240 2110 F 398807 3830 B 23701 5550 B 855982 2111 F 399848 3831 B 25599 5551 B 857873 2112 F 399848 3832 B 26350 5552 B 856786 2113 F 397886 3833 B 28258 5553 B 858722 2114 F 400914 3834 B 26350 5554 B 858783 2115 F 399008 3835 B 28258 5555 B 860735 2116 F 401183 3836 B 27241 5556 B 859824 2117 F 399301 3837 B	2106	F	395705	3826	В	21128	5546	В	853938
2109 F 395705 3829 B 24185 5549 B 857240 2110 F 398807 3830 B 23701 5550 B 855982 2111 F 396957 3831 B 25599 5551 B 857873 2112 F 399848 3832 B 26350 5552 B 856786 2113 F 397886 3833 B 28258 5553 B 858722 2114 F 400914 3834 B 26350 5554 B 858783 2115 F 399008 3835 B 28258 5555 B 860735 2116 F 401183 3836 B 27241 5556 B 859824 2117 F 399301 3837 B 29113 5557 B 861787 2118 F 401964 3838 B	2107	F	393791	3827	В	22976	5547	В	855846
2110 F 398807 3830 B 23701 5550 B 855982 2111 F 396957 3831 B 25599 5551 B 857873 2112 F 399848 3832 B 26350 5552 B 856786 2113 F 397886 3833 B 28258 5553 B 858722 2114 F 400914 3834 B 26350 5554 B 858783 2115 F 399008 3835 B 28258 5555 B 860735 2116 F 401183 3836 B 27241 5556 B 859824 2117 F 399301 3837 B 29113 5557 B 861787 2118 F 401964 3838 B 27977 5558 B 860442 2119 F 400600 3839 B	_ 2108	F	397607	3828	В	22265	5548	В	855338
2111 F 396957 3831 B 25599 5551 B 857873 2112 F 399848 3832 B 26350 5552 B 856786 2113 F 397886 3833 B 28258 5553 B 858722 2114 F 400914 3834 B 26350 5554 B 858783 2115 F 399008 3835 B 28258 5555 B 860735 2116 F 401183 3836 B 27241 5556 B 859824 2117 F 399301 3837 B 29113 5557 B 861787 2118 F 401964 3838 B 27977 5558 B 860442 2119 F 400060 3839 B 29896 5559 B 862329 2120 F 403450 3841 B	2109	F	395705	3829	В	24185	5549	В	857240
2112 F 399848 3832 B 26350 5552 B 856786 2113 F 397886 3833 B 28258 5553 B 858722 2114 F 400914 3834 B 26350 5554 B 858783 2115 F 399008 3835 B 28258 5555 B 860735 2116 F 401183 3836 B 27241 5556 B 859824 2117 F 399301 3837 B 29113 5557 B 861787 2118 F 401964 3838 B 27977 5558 B 860442 2119 F 40060 3839 B 29896 5559 B 862329 2120 F 403450 3840 B 28804 5560 B 861415 2121 F 404124 3842 B 2	2110	F	398807	3830	В	23701	5550	В	855982
2113 F 397886 3833 B 28258 5553 B 858722 2114 F 400914 3834 B 26350 5554 B 858783 2115 F 399008 3835 B 28258 5555 B 860735 2116 F 401183 3836 B 27241 5556 B 859824 2117 F 399301 3837 B 29113 5557 B 861787 2118 F 401964 3838 B 27977 5558 B 860442 2119 F 400660 3839 B 29896 5559 B 862329 2120 F 403450 3840 B 28804 5560 B 861415 2121 F 401527 3841 B 30700 5561 B 863252 2123 F 402206 3843 B	2111	F	396957	3831	В	25599	5551	В	857873
2114 F 400914 3834 B 26350 5554 B 858783 2115 F 399008 3835 B 28258 5555 B 860735 2116 F 401183 3836 B 27241 5556 B 859824 2117 F 399301 3837 B 29113 5557 B 861787 2118 F 401964 3838 B 27977 5558 B 860442 2119 F 400060 3839 B 29896 5559 B 862329 2120 F 403450 3840 B 28804 5560 B 861415 2121 F 401527 3841 B 30700 5561 B 863252 2122 F 404124 3842 B 29727 5562 B 861677 2123 F 402206 3843 B	2112	F	399848	3832	В	26350	5552	В	856786
2115 F 399008 3835 B 28258 5555 B 860735 2116 F 401183 3836 B 27241 5556 B 859824 2117 F 399301 3837 B 29113 5557 B 861787 2118 F 401964 3838 B 27977 5558 B 860442 2119 F 400060 3839 B 29896 5559 B 862329 2120 F 403450 3840 B 28804 5560 B 861415 2121 F 401527 3841 B 30700 5561 B 863252 2122 F 404124 3842 B 29727 5562 B 861677 2123 F 402206 3843 B 31642 5563 B 863558 2124 F 405765 3844 B	2113	F	397886	3833	В	28258	5553	В	858722
2116 F 401183 3836 B 27241 5556 B 859824 2117 F 399301 3837 B 29113 5557 B 861787 2118 F 401964 3838 B 27977 5558 B 860442 2119 F 400060 3839 B 29896 5559 B 862329 2120 F 403450 3840 B 28804 5560 B 861415 2121 F 401527 3841 B 30700 5561 B 863252 2122 F 404124 3842 B 29727 5562 B 861677 2123 F 402206 3843 B 31642 5563 B 863558 2124 F 405765 3844 B 30253 5564 B 863171 2125 F 403865 3845 B	2114	F	400914	3834	В	26350	5554	В	858783
2117 F 399301 3837 B 29113 5557 B 861787 2118 F 401964 3838 B 27977 5558 B 860442 2119 F 400060 3839 B 29896 5559 B 862329 2120 F 403450 3840 B 28804 5560 B 861415 2121 F 401527 3841 B 30700 5561 B 863252 2122 F 404124 3842 B 29727 5562 B 861677 2123 F 402206 3843 B 31642 5563 B 863558 2124 F 405765 3844 B 30253 5564 B 863171 2125 F 403865 3845 B 32158 5565 B 865099 2126 F 407131 3846 B	2115	F	399008	3835	В	28258	5555	В	860735
2118 F 401964 3838 B 27977 5558 B 860442 2119 F 400060 3839 B 29896 5559 B 862329 2120 F 403450 3840 B 28804 5560 B 861415 2121 F 401527 3841 B 30700 5561 B 863252 2122 F 404124 3842 B 29727 5562 B 861677 2123 F 402206 3843 B 31642 5563 B 863558 2124 F 405765 3844 B 30253 5564 B 863171 2125 F 403865 3845 B 32158 5565 B 865099 2126 F 407131 3846 B 31775 5566 B 865021 2127 F 405243 3847 B	2116	F	401183	3836	В	27241	5556	В	859824
2119 F 400060 3839 B 29896 5559 B 862329 2120 F 403450 3840 B 28804 5560 B 861415 2121 F 401527 3841 B 30700 5561 B 863252 2122 F 404124 3842 B 29727 5562 B 861677 2123 F 402206 3843 B 31642 5563 B 863558 2124 F 405765 3844 B 30253 5564 B 863171 2125 F 403865 3845 B 32158 5565 B 865099 2126 F 407131 3846 B 31775 5566 B 865021 2127 F 405243 3847 B 33657 5567 B 866922 2128 F 407456 3848 B	2117	F	399301	3837	В	29113	5557	В	861787
2120 F 403450 3840 B 28804 5560 B 861415 2121 F 401527 3841 B 30700 5561 B 863252 2122 F 404124 3842 B 29727 5562 B 861677 2123 F 40206 3843 B 31642 5563 B 863558 2124 F 405765 3844 B 30253 5564 B 863171 2125 F 403865 3845 B 32158 5565 B 865099 2126 F 407131 3846 B 31775 5566 B 865021 2127 F 405243 3847 B 33657 5567 B 866922 2128 F 407456 3848 B 32511 5568 B 865497	2118	F	401964	3838	В	27977	5558	В	860442
2121 F 401527 3841 B 30700 5561 B 863252 2122 F 404124 3842 B 29727 5562 B 861677 2123 F 402206 3843 B 31642 5563 B 863558 2124 F 405765 3844 B 30253 5564 B 863171 2125 F 403865 3845 B 32158 5565 B 865099 2126 F 407131 3846 B 31775 5566 B 865021 2127 F 405243 3847 B 33657 5567 B 866922 2128 F 407456 3848 B 32511 5568 B 865497	2119	F	400060	3839	В	29896	5559	В	862329
2122 F 404124 3842 B 29727 5562 B 861677 2123 F 402206 3843 B 31642 5563 B 863558 2124 F 405765 3844 B 30253 5564 B 863171 2125 F 403865 3845 B 32158 5565 B 865099 2126 F 407131 3846 B 31775 5566 B 865021 2127 F 405243 3847 B 33657 5567 B 866922 2128 F 407456 3848 B 32511 5568 B 865497	2120	F	403450	3840	В	28804	5560	В	861415
2123 F 402206 3843 B 31642 5563 B 863558 2124 F 405765 3844 B 30253 5564 B 863171 2125 F 403865 3845 B 32158 5565 B 865099 2126 F 407131 3846 B 31775 5566 B 865021 2127 F 405243 3847 B 33657 5567 B 866922 2128 F 407456 3848 B 32511 5568 B 865497	2121	F	401527	3841	В	30700	5561	В	863252
2124 F 405765 3844 B 30253 5564 B 863171 2125 F 403865 3845 B 32158 5565 B 865099 2126 F 407131 3846 B 31775 5566 B 865021 2127 F 405243 3847 B 33657 5567 B 866922 2128 F 407456 3848 B 32511 5568 B 865497	2122	F	404124	3842	В	29727	5562	В	861677
2125 F 403865 3845 B 32158 5565 B 865099 2126 F 407131 3846 B 31775 5566 B 865021 2127 F 405243 3847 B 33657 5567 B 866922 2128 F 407456 3848 B 32511 5568 B 865497	2123	F	402206	3843	В	31642	5563	В	863558
2126 F 407131 3846 B 31775 5566 B 865021 2127 F 405243 3847 B 33657 5567 B 866922 2128 F 407456 3848 B 32511 5568 B 865497	2124	F	405765	3844	В	30253	5564	В	863171
2127 F 405243 3847 B 33657 5567 B 866922 2128 F 407456 3848 B 32511 5568 B 865497	2125	F	403865	3845	В	32158	5565	В	865099
2128 F 407456 3848 B 32511 5568 B 865497	2126	F	407131	3846	В	31775	5566	В	865021
	2127	F	405243	3847	В	33657	5567	В	866922
	2128	F	407456	3848	В	32511	5568	В	865497
2129 F 405563 3849 B 34422 5569 B 867408	2129	F	405563	3849	В	34422	5569	В	867408

			, ,						
2130	F	408841		. 3850	В	34214	5570	В	866808
2131	F	406901		3851	В	36114	5571	В	868732
2132	F	410478		3852	В	34765	5572	В	867342
2133	F	408573		3853	В	36664	5573	В	869242
2134	F	410725		3854	В	36289	5574	В	868064
2135	F	408832		3855	В	38186	5575	В	869974
2136	F	412263		3856	В	37759	5576	В	868732
2137	F	410363		3857	В	39682	5577	В	870664
2138	F	414168		3858	В	39585	5578	В	869974
2139	F	412268		3859	В	41496	5579	В	871880
2140	F	415013		3860	В	40942	5580	В	870857
2141	F	413111		3861	В	42840	5581	В	872753
2142	F	415636		3862	В	39640	5582	В	872149
2143	F	413743		3863	В	41543	5583	В	874087
2144	F	417033		3864	В	43329	5584	В	872758
2145	F	415114		3865	В	45196	5585	В	874658
2146	F	417163		3866	В	44025	5586	В	874131
2147	F	415332		3867	В	45979	5587	В	876122
2148	F	418166		3868	В	45048	5588	В	874903
2149	F	416265		3869	В	46970	5589	В	876793
2150	F	420186		3870	В	45582	5590	В	875548
2151	F	418259		3871	В	47472	5591	В	877437
2152	F	420697		3872	В	45979	5592	В	878078
2153	F	418861		3873	В	47901	5593	В	880011
2154	F	421313		3874	В	47216	5594	В	879478
2155	F	419437		3875	В	49128	5595	В	881385
2156	F	422172		3876	В	47791	5596	В	880874
2157	F	420342		3877	В	49689	5597	В	882771
2158	F	423342		3878	В	48196	5598	В	882771
2159	F	421412		3879	В	50126	5599	В	884644
2160	F	424008		3880	В	49180	5600	В	883542
2161	F	422073		3881	В	51105	5601	В	885447
2162	F	424585		3882	В	50231	5602	В	883777
2163	F	422711		3883	В	52149	5603	В	885689
2164	F	426021		3884	В	51697	5604	В	884430
		<u> </u>	_		-			ــــا	

2166 F 427407 3886 B 52917 5606 B 885834 2167 F 425513 3887 B 54735 5607 B 887783 2168 F 427936 3888 B 53619 5608 B 887523 2169 F 426053 3889 B 55476 5609 B 889442 2170 F 428592 3890 B 53910 5610 B 888433 2171 F 426717 3891 B 55816 5611 B 890292 2172 F 430475 3892 B 54416 5612 B 888875 2173 F 428558 3893 B 56326 5613 B 890775 2174 F 431378 3894 B 55107 5614 B 889595 2175 F 429417 3895 B	5
2168 F 427936 3888 B 53619 5608 B 887528 2169 F 426053 3889 B 55476 5609 B 889442 2170 F 428592 3890 B 53910 5610 B 888432 2171 F 426717 3891 B 55816 5611 B 890292 2172 F 430475 3892 B 54416 5612 B 888875 2173 F 428558 3893 B 56326 5613 B 890775 2174 F 431378 3894 B 55107 5614 B 889595 2175 F 429417 3895 B 57009 5615 B 891481 2176 F 431927 3896 B 56693 5616 B 890115 2178 F 432609 3898 B	4
2169 F 426053 3889 B 55476 5609 B 889442 2170 F 428592 3890 B 53910 5610 B 888432 2171 F 426717 3891 B 55816 5611 B 890292 2172 F 430475 3892 B 54416 5612 B 888875 2173 F 428558 3893 B 56326 5613 B 890772 2174 F 431378 3894 B 55107 5614 B 889592 2175 F 429417 3895 B 57009 5615 B 891481 2176 F 431927 3896 B 56693 5616 B 890119 2177 F 430046 3897 B 58586 5617 B 892034 2179 F 430710 3899 B	2
2170 F 428592 3890 B 53910 5610 B 888433 2171 F 426717 3891 B 55816 5611 B 890292 2172 F 430475 3892 B 54416 5612 B 888879 2173 F 428558 3893 B 56326 5613 B 890775 2174 F 431378 3894 B 55107 5614 B 889595 2175 F 429417 3895 B 57009 5615 B 891481 2176 F 431927 3896 B 56693 5616 B 890115 2177 F 430046 3897 B 58586 5617 B 892032 2178 F 430710 3899 B 59394 5619 B 893320 2180 F 433005 3900 B	8
2171 F 426717 3891 B 55816 5611 B 890292 2172 F 430475 3892 B 54416 5612 B 888879 2173 F 428558 3893 B 56326 5613 B 890773 2174 F 431378 3894 B 55107 5614 B 889593 2175 F 429417 3895 B 57009 5615 B 891481 2176 F 431927 3896 B 56693 5616 B 890119 2177 F 430046 3897 B 58586 5617 B 892034 2178 F 432609 3898 B 57489 5618 B 891428 2179 F 430710 3899 B 59394 5619 B 893320 2180 F 431082 3901 B	2
2172 F 430475 3892 B 54416 5612 B 888879 2173 F 428558 3893 B 56326 5613 B 890779 2174 F 431378 3894 B 55107 5614 B 889599 2175 F 429417 3895 B 57009 5615 B 891481 2176 F 431927 3896 B 56693 5616 B 890119 2177 F 430046 3897 B 58586 5617 B 892034 2178 F 432609 3898 B 57489 5618 B 891428 2179 F 430710 3899 B 59394 5619 B 893320 2180 F 433005 3900 B 58749 5620 B 892050 2181 F 431812 3902 B	2
2173 F 428558 3893 B 56326 5613 B 890775 2174 F 431378 3894 B 55107 5614 B 889595 2175 F 429417 3895 B 57009 5615 B 891481 2176 F 431927 3896 B 56693 5616 B 890119 2177 F 430046 3897 B 58586 5617 B 892034 2178 F 432609 3898 B 57489 5618 B 891428 2179 F 430710 3899 B 59394 5619 B 893320 2180 F 433005 3900 B 58749 5620 B 892050 2181 F 431082 3901 B 60049 5621 B 893255 2183 F 431812 3903 B	2
2174 F 431378 3894 B 55107 5614 B 889595 2175 F 429417 3895 B 57009 5615 B 891488 2176 F 431927 3896 B 56693 5616 B 890119 2177 F 430046 3897 B 58586 5617 B 892034 2178 F 432609 3898 B 57489 5618 B 891428 2179 F 430710 3899 B 59394 5619 B 893326 2180 F 433005 3900 B 58749 5620 B 892056 2181 F 431082 3901 B 60649 5621 B 893956 2182 F 433712 3902 B 60086 5622 B 892255 2183 F 431812 3904 B)
2175 F 429417 3895 B 57009 5615 B 891481 2176 F 431927 3896 B 56693 5616 B 890119 2177 F 430046 3897 B 58586 5617 B 892034 2178 F 432609 3898 B 57489 5618 B 891428 2179 F 430710 3899 B 59394 5619 B 893320 2180 F 433005 3900 B 58749 5620 B 892050 2181 F 431082 3901 B 60649 5621 B 893950 2182 F 433712 3902 B 60086 5622 B 892259 2183 F 431812 3903 B 62002 5623 B 894158 2184 F 436521 3904 B	5
2176 F 431927 3896 B 56693 5616 B 890119 2177 F 430046 3897 B 58586 5617 B 892032 2178 F 432609 3898 B 57489 5618 B 891428 2179 F 430710 3899 B 59394 5619 B 893320 2180 F 433005 3900 B 58749 5620 B 892050 2181 F 431082 3901 B 60649 5621 B 893950 2182 F 433712 3902 B 60086 5622 B 892259 2183 F 431812 3903 B 62002 5623 B 894158 2184 F 436521 3904 B 62375 5624 B 892701	5
2177 F 430046 3897 B 58586 5617 B 892034 2178 F 432609 3898 B 57489 5618 B 891428 2179 F 430710 3899 B 59394 5619 B 893320 2180 F 433005 3900 B 58749 5620 B 892050 2181 F 431082 3901 B 60649 5621 B 893950 2182 F 433712 3902 B 60086 5622 B 892259 2183 F 431812 3903 B 62002 5623 B 894158 2184 F 436521 3904 B 62375 5624 B 892701	l ·
2178 F 432609 3898 B 57489 5618 B 891428 2179 F 430710 3899 B 59394 5619 B 893320 2180 F 433005 3900 B 58749 5620 B 892050 2181 F 431082 3901 B 60649 5621 B 893950 2182 F 433712 3902 B 60086 5622 B 892259 2183 F 431812 3903 B 62002 5623 B 894158 2184 F 436521 3904 B 62375 5624 B 892701)
2179 F 430710 3899 B 59394 5619 B 893320 2180 F 433005 3900 B 58749 5620 B 892050 2181 F 431082 3901 B 60649 5621 B 893950 2182 F 433712 3902 B 60086 5622 B 892259 2183 F 431812 3903 B 62002 5623 B 894158 2184 F 436521 3904 B 62375 5624 B 892701	1
2180 F 433005 3900 B 58749 5620 B 892050 2181 F 431082 3901 B 60649 5621 B 893950 2182 F 433712 3902 B 60086 5622 B 892259 2183 F 431812 3903 B 62002 5623 B 894158 2184 F 436521 3904 B 62375 5624 B 892701	3
2181 F 431082 3901 B 60649 5621 B 893956 2182 F 433712 3902 B 60086 5622 B 892259 2183 F 431812 3903 B 62002 5623 B 894158 2184 F 436521 3904 B 62375 5624 B 892701)
2182 F 433712 3902 B 60086 5622 B 892259 2183 F 431812 3903 B 62002 5623 B 894158 2184 F 436521 3904 B 62375 5624 B 892701)
2183 F 431812 3903 B 62002 5623 B 894158 2184 F 436521 3904 B 62375 5624 B 892701)
2184 F 436521 3904 B 62375 5624 B 892701)
	3
2185 F 434640 3905 B 64275 5625 B 89461	Ī
	l
2186 F 436897 3906 B 61715 5626 B 893194	1
2187 F 435057 3907 B 63633 5627 B 895056	5
2188 F 439741 3908 B 62699 5628 B 893347	7
2189 F 437882 3909 B 64601 5629 B 895263	3
2190 F 438296 3910 B 63981 5630 B 893787	7
2191 F 436377 3911 B 65858 5631 B 895711	l
2192 F 440475 3912 B 64268 5632 B 895642	2
2193 F 438538 3913 B 66227 5633 B 897542	2
2194 F 440281 3914 B 64423 5634 B 896759	•
2195 F 438394 3915 B 66309 5635 B 898650)
2196 F 440989 3916 B 64834 5636 B 897802	2
2197 F 439080 3917 B 66756 5637 B 899694	4
2198 F 442121 3918 B 65705 5638 B 899665	5
2199 F 440252 3919 B 67611 5639 B 901565	5

2200	F	442121
2201	F	440221
2202	F	442780
2203	F	440879
2204	F	443285
2205	F	441384
2206	F	444276
2207	F	442406
2208	F	444472
2209	F	442568
2210	F	444960
2211	F	443040
2212	F	445556
2213	F	443681
2214	F	447565
2215	F	445676
2216	F	448396
2217	F	446496
2218	F	450057
2219	F	448133
2220	F	450444
2221	F	448555
2222	F	450988
2223	F	449054
2224	F	452212
2225	F	450329
2226	F	453450
2227	F	451581
2228	F	454643
2229	F	452718
2230	F	456004
2231	F	454124
2232	F	456785
2233	Ę	454897
2234	F	457749
L		

3920	В	66228
3921	В	68163
3922	В	67538
3923	В	69404
3924	В	67961
3925	В	69841
3926	В	68796
3927	В	70662
3928	В	70984
3929	В	72885
3930	В	69392
3931	В	71314
3932	В	71365
3933	В	73287
3934	В	72253
3935	В	74167
3936	В	73916
3937	В	75760
3938	В	76398
3939	В	78328
3940	В	77734
3941	В	79610
3942	В	78592
3943	В	80517
3944	В	79577
3945	В	81476
3946	В	79968
3947	В	81861
3948	В	80203
3949	В	82108
3950	В	80665
3951	В	82565
3952	В	81257
3953	В	83184
3954	В	83370

5640	В	900460
5641	В	902360
5642	В	903450
5643	В	905354
5644	В	905307
5645	В	907291
5646	В	907290
5647	В	909083-
5648	В	908055
5649	В	909955
5650	В	908358
5651	В	910273
5652	В	908900
5653	В	910831
5654	В	909607
56 55	В	911450
5656	В	911760
5657	В	913589
5658	В	912584
5659	В	914529
5660	В	913054
5661	В	914956
5662	В	914208
5663	В	916113
5664	В	915388
5665	В	917272
5666	В	915880
5667	В	917747
5668	В	916886
5669	В	918778
5670	В	917940
5671	В	919827
5672	В	919070
5673	В	920972
5674	В	920107

2235	F	455856			
2236	F	458132			
2237	F	456205			
2238	F	459216			
2239	F	457348			
2240	F	460692			
2241	F	458792			
2242	F	460133			
2243	F	458230			
2244	F	461228			
2245	F	459327			
2246	F	462183			
2247	F	460269			
_ 2248	F	463120			
2249	F	461220			
2250	F	464355			
2251	F	462444			
2252	F	464842			
2253	F	463010			
2254	F	465346			
2255	F	463451			
2256	F,	466061			
2257	F	464143			
2258	F	466780			
2259	F	464842			
2260	F	467462			
2261	F	465578			
2262	F	469419			
2263	F	467538			
2264	F	471324			
2265	F	469419			
2266	F	470463			
2267	F	468587			
2268	F	471822			
2269	F	469897			

239						
В	85203					
В	84202					
В	86080					
В	85032					
В	86902					
В	85520					
В	87367					
В	85648					
В	87548					
В	86155					
В	88052					
В	86806					
В	88768					
В	88389					
В	90207					
В	89174					
В	91107					
В	91319					
В	93151					
В	93306					
В	95184					
В	94311					
В	96210					
В	94761					
В	96578					
В	95640					
В	97452					
В	96835					
В	98743					
В	97685					
В	99639					
В	98655					
В	100585					
В	99680					
В	101592					
	B B B B B B B B B B					

5675	В	922088
5676	В	920666
5677	В	922554
5678	В	921412
5679	В	923307
5680	В	922216
5681	В	924104
5682	В	922661
5683	В	924538
5684	В	924024
5685	В	925893
5686	В	924192
5687	В	926063
5688	В	925245
5689	В	927137
5690	В	925672
5691	В	927558
5692	В	926744
5693	В	928659
5694	В	928169
5695	В	930064
5696	В	928543
5697	В	930439
5698	В	929238
5699	В	931109
5700	В	931227
5701	В	933127
5702	В	932291
5703	В	934184
5704	В	933738
5705	В	935651
5706	В	933127
5707	В	935001
5708	В	935969
5709	В	937869

2270	F	472471
2271	F	470610
2272	F	473208
2273	F	471319
2274	F	475143
2275	F	473243
2276	F	477091
2277	F	475181
2278	F	477375
2279	F	475475
2280	F	478473
2281	F	476586
2282	F	479058
2283	F	477158
2284	F	479829
2285	F	477916
2286	F	481237
2287	F	479312
2288	F	481769
2289	F	479903
2290	F	482435
2291	F	480535
2292	F	483976
2293	F	482075
2294	F	484899
2295	F	483029
2296	F	485593
2297	F	483674
2298	F	486401
2299	F	484498
2300	F	486762
2301	F	484859
2302	F	487287
2303	F	. 485366
2304	F	487487

240						
3990	В	101592				
3991	В	103448				
3992	В	101950				
3993	В	103878				
3994	В	102534				
3995	В	104467				
3996	В	103031				
3997	В	104947				
3998	В	103754				
3999	В	105653				
4000	В	104281				
4001	В	106192				
4002	В	104786				
4003	В	106618				
4004	В	108635				
4005	В	110512				
4006	В	112299				
4007	В	114196				
4008	В	112839				
4009	В	114713				
4010	В	113960				
4011	В	115829				
4012	В	114352				
4013	В	116272				
4014	В	114932				
4015	В	116831				
4016	В	116002				
4017	В	117886				
4018	В	116781				
4019	В	118702				
4020	В	118284				
4021	В	120181				
4022	В	118749				
4023	В	120691				
4024	В	120124				

5710 5711 5712 5713	ВВ	937305
5712	В	939223
		1
5713	В	937448
3/13	В	939423
5714	В	938633
5715	В	940533
5716	В	939032
5717	В	940928
5718	В	939478
5719	В	941392
5720	В	940021
5721	В	941918
5722	В	941017
5723	В	942925
5724	В	941392
5725	В	943238
5726	В	941586
5 7 27	В	943496
5728	В	942787
5729	В	944657
5730	В	943043
5731	В	944971
5732	В	943404
5733	В	945286
5734	В	944025
5735	В	945981
5736	В	944302
5737	В	946175
5738	В	944654
5739	В	946533
5740	В	945633
5741	В	947515
5742	В	946073
5743	В	947974
5744	В	946645

					.41			
2305	F	485642	4025	В	122009	5745	В	948517
2306	F	488811	4026	В	120691	5746	В	947646
2307	F	486942	4027	В	122601	5747	В	949545
2308	F	488918	4028	В	122655	5748	В	948344
2309	F	487001	4029	В	124563	5749	В	950219
2310	F	489740	4030	В	123173	5750	В	950104
2311	F	487772	4031	В	125141	5751	В	952004
2312	F	490300	4032	В	123579	5752	В	951301
2313	F	488400	4033	В	125526	5753	В	953207
2314	F	490880	4034	В	126570	5754	В	951505
2315	F	488969	4035	В	128539	5755	В	953387
2316	F	491167	4036	В	129398	5756	В	952382
2317	F	489268	4037	В	131325	5757	В	954257
. 2318	F	492066	4038	В	134942	5758	В	952927
2319	F	490096	4039	В	136814	5759	В	954794
2320	F	494600	4040	В	136628	5760	В	953711
2321	F	492697	4041	В	138531	5761	В	955611
2322	F	495778	4042	В	138117	5762	В	955556
2323	F	493845	4043	В	139995	5763	В	957444
2324	F	496350	4044	В	138531	5764	В	956049
2325	F	494396	4045	В	140363	5765	В	957977
2326	F	497139	4046	В	138525	5766	В	957358
2327	F	495210	4047	В	140361	5767	В	959202
2328	F	497504	4048	В	139778	5768	В	958136
2329	F	495651	4049	В	141692	5769	В	960022
2330	F	498216	4050	В	140577	5770	В	959490
2 331	F	496381	4051	В	142487	5771	В	961374
2332	F	498990	4052	В	142067	5772	В	960507
2333	F	497076	4053	В	143981	5773	В	962439
2334	F	499284	4054	В	142919	5774	В	961892
2335	F	497401	4055	В	144787	5775	В	963792
2336	F	499563	4056	В	144478	5776	В	965000
2337	F	497644	4057	В	146417	5777	В	966954
2338	F	500555	4058	В	145520	5778	В	967076
2339	F	498645	4059	В	147378	5779	В	968975

2340	F	503868
2341	F	502008
2342	F	504574
2343	F	502741
2344	F	506571
2345	F	504671
2346	F	507498
2347	F	505565
2348	F	507615
2349	F	505777
2350	F	510441
2351	F	508522
2352	F	513523
2353	F	511660
2354	F	516834
2355	F	514938
2356	F	515101
2357	F	513277
2358	F	517031
2359	F	515093
2360	F	517620
2361	F	515698
2362	F	518070
2363	F	516181
2364	F	521162
2365	F	519241
2366	F	523023
2367	F	521123
2368	F	523865
2369	F	522003
2370	F	524373
2371	F	522530
2372	F	526029
2373	F	524115
2374	F	526479
	l	

		242			
4060	В	146972			
4061	В	148872			
4062	В	147545			
4063	В	149452			
4064	В	147756			
4065	В	149677			
4066	В	148484			
4067	В	150382			
4068	В	152436			
4069	В	154325			
4070	В	154353			
4071	В	156228			
4072	В	155395			
4073	В	157286			
4074	В	155740			
4075	В	157613			
4076	В	157002			
4077	В	158902			
4078	В	157861			
4079	В	159764			
4080	В	159219			
4081	В	161121			
4082	В	159569			
4083	В	161484			
4084	В	160221			
4085	В	162109			
4086	В	160670			
4087	В	162572			
4088	В	161075			
4089	В	162983			
4090	В	161789			
4091	В	163728			
4092	В	162380			
4093	В	164291			
4094	В	162671			

5780	В	968474
5781	В	970326
5782	В	969039
5783	В	970930
5784	В	969718
5785	В	971619
5786	В	970080
5787	В	971991
5788	В	970371
5789	В	972257
5790	В	970832
5791	В	972738
5792	В	971481
5793	В	973403
5794	В	971909
5795	В	973810
5796	В	975372
5797	В	977234
5798	В	975634
5799	В	977548
5800	В	976739
5801	В	978639
5802	В	978543
5803	В	980448
5804	В	977907
5805	В	979832
5806	В	980997
5807	В	982862
5808	В	982167
5809	В	984051
5810	В	983206
5811	В	985082
5812	В	984344
5813	В	986279
5814	В	985741
		200771

2375	F	524580	4095	В	164573	5815	В	987653
2376	F	526756	4096	В	164340	5816	В	986106
2377	F	524823	4097	В	166222	5817	В	988045
2378	F	528167	4098	В	165693	5818	В	987667
2379	F	526263	4099	В	167632	5819	В	989585
2380	F	529315	4100	В	166627	5820	В	987418
2381	F	527408	4101	В	168472	5821	В	989315
2382	F	530372	4102	В	168668	5822	В	987936
2383	F	528484	4103	В	170565	5823	В	989842
2384	F	531842	4104	В	169244	5824	В	988447
2385	F	529945	4105	В	171102	5825	В	990355
2386	F	534077	4106	В	169734	5826	В	988979
2387	F	532190	4107	В	171575	5827	В	990875
_ 2388	F	536335	4108	В	171259	5828	В	990066
2389	F	534585	4109	В	173158	5829	В	991966
2390	F	536858	4110	В	171701	5830	В	991268
2391	F	534931	4111	В	173585	5831	В	993171
2392	F	537710	4112	В	172018	5832	В	991858
2393	F	535810	4113	В	173925	5833	В	993763
2394	F	538105	4114	В	172759	5834	В	992722
2395	F	536211	4115	В	174706	5835	В	994621
2396	, F	538901	4116	В	173718	5836	В	993082
2397	F	536979	4117	В	175602	5837	B	994988
2398	F	539360	4118	В	174902	5838	В	993290
2399	F	537421	4119	В	176765	5839	В	995230
2400	F	541059	4120	В	175869	5840	В	995015
2401	F	539160	4121	В	177781	5841	В	996927
2402	F	542198	4122	В	176181	5842	В	993839
2403	F	540335	4123	В	178083	5843	В	995750
2404	F	542650	4124	В	177158	5844	В	996203
2405	F	540840	4125	В	179120	5845	В	998090
2406	F	543589	4126	В	177599	5846	В	997094
2407	F	541677	4127	В	179539	5847	В	998977
2408	F	546376	4128	В	177928	5,848	В	997835
2409	F	544486	4129	В	179888	5849	В	999728
							<u>. </u>	

2410	F	546731	4130	В	179693	5850	В	999224
2411	F	544872	4131	В	181621	5851	В	1001101
2412	F	549480	4132	В	180070	5852	В	1000267
2413	F	547547	4133	В	181968	5853	В	1002146
2414	F	550245	4134	В	182017	5854	В	1001594
2415	F	548328	4135	В	183925	5855	В	1003567
2416	F	551224	4136	В	182865	5856	В	1002100
2417	F	549328	4137	В	184809	5857	В	1003941
2418	F	552433	4138	В	184640	5858	В	1003571
2419	F	550520	4139	В	186551	5859	В	1005412
2420	F	554767	4140	В	185253	5860	В	1004381
2421	F	552882	4141	В	187108	5861	В	1006269
2422	F	555444	4142	В	185703	5862	В	1004753
2423	F	553541	4143	В	187661	5863	В	1006691
2424	F	557979	4144	В	186129	5864	В	1005890
2425	F	556089	4145	В	188059	5865	В	1007762
2426	F	557923	4146	В	186395	5866	В	1006199
2427	F	555988	4147	В	188339	5867	В	1008109
2428	F	561193	4148	В	188056	5868	В	1007050
2429	F	559292	4149	В	189840	5869	В	1008929
2430	F	559671	4150	В	191218	5870	В	1007819
2431	F	557777	4151	В	193089	5871	В	1009683
2432	F	561555	4152	В	191880	5872	В	1009446
2433	F	559655	4153	В	193768	5873	В	1011365
2434	F	563727	4154	В	193026	5874	В	1010314
2435	F	561828	4155	В	194899	5875	В	1012109
2436	F	564714	4156	В	193709	5876	В	1015234
2437	F	562803	4157	В	195592	5877	В	1017133
2438	F	566079	4158	В	194284	5878	В	1016571
2439	F	564180	4159	В	196187	5879	В	1018486
2440	F	567470	4160	В	194284	5880	В	1017755
2441	F	565569	4161	В	196187	5881	В	1019661
2442	F	568454	4162	В	196032	5882	В	1016781
2443	F	566609	4163	В	197932	5883	В	1018708
2444	F	569194	4164	В	196298	5884	В	1017022
						L		

				-	.40			
2445	F	567291	. 4165	В	198245	5885	В	1018924
2446	F	570873	4166	В	198296	5886	В	1019233
2447	F	568996	4167	В	200200	5887	В	1021143
2448	F	571678	4168	В	199677	5888	В	1019674
2449	F	569809	4169	В	201577	5889	В	1021630
2450	F	571983	4170	В	203050	5890	В	1021020
2451	F	570083	4171	В	204943	5891	В	1022923
2452	F	571837	4172	В	204776	5892	В	1021630
2453	F	569998	4173	В	206682	5893	В	1023525
2454	F	572927	4174	В	205877	5894	В	1024510
2455	F	571022	4175	В	207768	5895	В	1026410
2456	F	574804	4176	В	207568	5896	В	1024936
2457	F	572868	4177	В	209477	5897	В	1026858
2458	F	576267	4178	В	208009	5898	В	1025836
2459	F	574354	4179	В	209935	5899	В	1027677
2460	F	577925	4180	В	208490	5900	В	1027197
2461	F	576082	4181	В	210396	5901	В	1029089
2462	F	578598	4182	В	209832	5902	В	1028022
2463	F	576721	4183	В	211779	5903	В	1029936
2464	F	579758	4184	В	210948	5904	В	1031445
2465	F	577878	4185	В	212834	5905	В	.1033319
2466	F	579620	4186	В	211360	5906	В	1031943
2467	F	577731	4187	В	213221	5907	В	1033839
2468	F	579950	4188	В	212036	5908	В	1033277
2469	F	578022	4189	В	213948	5909	В	1035186
2470	F	581080	4190	В	212409	5910	В	1033697
2471	F	579248	4191	В	214308	5911	В	1035554
2472	F	581459	4192	В	214299	5912	В	1034009
2473	F	579555	4193	В	216199	5913	В	1035943
2474	F	582128	4194	В	215173	5914	В	1036282
2475	F	580221	4195	В	217077	5915	В	1038161
2476	F	583209	4196	В	215689	5916	В	1037178
2477	F	581305	4197	В	217544	5917	В	1039088
2478	F	584650	4198	В	216374	5918	В	1037902
2479	F	582828	4199	В	218284	5919	В	1039802
			-				ــــــــــــــــــــــــــــــــــــــ	

····								
2480	F	585407	4200	В	216932	5920	В	1038167
2481	F	583467	4201	В	218839	5921	В	1040079
2482	F	586579	4202	В	217507	5922	В	1039198
2483	F	584650	4203	В	219410	5923	В	1041036
2484	F	587655	4204	В	218089	5924	В	1040803
2485	F	585772	4205	В	220031	5925	В	1042721
2486	F	587899	4206	В	218491	5926	В	1042560
2487	F	586058	4207	В	220380	5927	В	1044460
2488	F	589079	4208	В	218839	5928	В	1043630
2489	F	587173	4209	В	220716	5929	В	1045526
2490	F	590446	4210	В	219152	5930	В	1044850
2491	F	588616	4211	В	221 152	5931	В	1046748
2492	F	592279	4212	В	220125	5932	В	1045609
2493	F	590407	4213	В	221963	5933	В	1047551
2494	F	592585	4214	В	221602	5934	В	1046761
2495	F	590716	4215	В	223507	5935	В	1048677
2496	F	593527	4216	В	222939	5936	В	1047741
2497	F	591593	4217	В	224878	5937	В	1049700
2498	F	594047	4218	В	223791	5938	В	1050218
2499	F	592210	4219	В	225688	5939	В	1052151
2500	F	595658	4220	В	224019	5940	В	1050831
2501	F	593758	4221	В	225909	5941	В	1052744
2502	F	596225	4222	В	224491	5942	В	1051223
2503	F	594387	4223	В	226407	5943	В	1053071
2504	F	596964	4224	В	225279	5944	В	1051974
2505	F	595006	4225	В	227131	5945	В	1053854
2506	F	597536	4226	В	225798	5946	В	1052287
2507	F	595635	4227	В	227692	5947	В	1054238
2508	F	598383	4228	В	227030	5948	В	1053379
2509	F	596448	4229	В	228925	5949	В	1055253
2510	F	599154	4230	В	228032	5950	В	1054458
2511	F	597254	4231	В	229939	5951	В	1056325
2512	F	600368	4232	В	228555	5952	В	1055816
2513	F	598433	4233	В	230455	5953	В	1057680
2514	F	600665	4234	В	228925	5954	В	1056172
	1	· · · · · · · · · · · · · · · · · · ·	L	لسيسط		L		

				·		<u></u>		· · · · · · · · · · · · · · · · · · ·
2515	F	598769	. 4235	В	230828	5955	В	1058031
2516	F	602011	4236	В	229587	5956	В	1056825
2517	F	600087	4237	В	231371	5957	В	1058710
2518	F	602418	4238	В	231239	5958	В	1057197
2519	F	600513	4239	В	233111	5959	В	1059089
2520	F	602921	4240	В	231737	5960	В	1058522
2521	F	601009	4241	В	233660	5961	В	1060355
2522	F	604391	4242	В	232306	5962	В	1058919
2523	F	602468	4243	В	234186	5963	В	1060810
2524	F	605571	4244	В	233044	5964	В	1059646
2525	F	603671	4245	В	234873	5965	В	1061521
2526	F	606334	4246	В	234599	5966	В	1060801
2527	F	604452	4247	В	236504	5967	В	1062701
2528	F	607133	4248	В	233738	5968	В	1061774
2529	F	605167	4249	В	235682	5969	В	1063687
2530	F	608673	4250	В	235454	5970	В	1062682
2531	F	606773	4251	В	237347	5971	В	1064555
2532	F	609710	4252	В	235569	5972	В	1064300
2533	F	607794	4253	В	237469	5973	В	1066236
2534	F	610711	4254	В	236954	5974	В	1065489
2535	F	608882	4255	В	238812	5975	В	1067386
2536	F	611524	4256	В	237891	5976	В	1067725
2537	F	609623	4257	В	239761	5977	В	1069601
2538	F	612119	4258	В	238568	5978	В	1068285
2539	F	610213	4259	В	240472	5979	В	1070188
2540	F	613820	4260	В	239227	5980	В	1068930
2541	F	611861	4261	В	241122	5981	В	1070898
2542	·F	614604	4262	В	240341	5982	В	1070188
2543	F	612704	4263	В	242266	5983	В	1072078
2544	F	614960	4264	В	241805	5984	В	1071383
2545	F	613056	4265	В	243697	5985	В	1073283
2546	F	616387	4266	В	242570	5986	В	1072658
2547	F	614471	4267	В	244401	5987	В	1074584
2548	F	617574	4268	В	243155	5988	В	1073699
2549	F	615586	4269	В	245067	5989	В	1075652
	·····	·	L	ــــــــــــــــــــــــــــــــــــــ		L		

2550	F	619430
2551	F	617510
2552	F	618561
2553	F	616679
2554	F	619799
2555	F	617886
2556	F	621043
2557	F	619133
2558	F	622333
2559	F	620411
2560	F	623110
2561	F	621211
2562	F	623952
2563	F	622052
2564	F	624774
2565	F	622872
2566	F	625263
2567	F	623369
2568	F	625664
2569	F	623773
2570	F	626220
2571	F	624297
2572	F	627684
2573	F	625785
2574	F	628536
2575	F	626655
2576	F	629438
2577	F	627541
2578	F	631496
2579	F	629606
2580	F	633301
2581	F	631397
2582	F	637012
2583	F	635112
2584	F	638002
	Ll	

. 4270	В	243636
4271	В	245538
4272	В	244754
4273	В	246679
4274	В	246248
4275	В	248169
4276	В	248035
4277	В	249968
4278	В	249397
4279	В	251305
4280	В	251305
4281	В	253161
4282	В	252487
4283	В	254380
4284	В	253274
4285	В	255156
4286	В	254230
4287	В	256130
4288	В	255120
4289	В	256980
4290	В	256331
4291	В	258223
4292	В	257706
429 3	В	259578
4294	В	258488
4295	В	260396
4296	В	258089
4297	В	260005
4298	В	259202
4299	В	261035
4300	В	261140
4301	В	263031
4302	В	261834
4303	В	263716
4304	В	263031

5990	В	1076111
5991	В	1077988
5992	В	1077010
5993	В	1078959
5994	В	1077598
5995	В	1079390
5996	В	1078260
5997	В	1080217
5998	В	1078959
5999	В	1080869
6000	В	1079354
6001	В	1081215
6002	В	1080217
6003	В	1082067
6004	В	1080742
6005	В	1082621
6006	В	1081580
6007	В	1083489
6008	В	1083400
6009	В	1085290
6010	В	1084927
6011	В	1086797
6012	В	1085868
6013	В	1087768
6014	В	1086965
6015	В	1088872
6016	В	1088185
6017	В	1090076
6018	В	1088704
6019	В	1090504
6020	В	1089236
6021	В	1091181
6022	В	1090076
6023	В	1091944
6024	В	1093259

				2	249
2585	F	636114	. 4305	В	264890
2586	F	638598	4306	В	263293
2587	F	636682	4307	В	265179
2588	F	638836	4308	В	264599
2589	F	636938	4309	В	266560
2590	F	639333	4310	В	266208
2591	F	637471	4311	В	268109
2592	F	640506	4312	В	266867
259 3	F	638598	4313	В	268783
2594	F	640730	4314	В	267558
2595	F	638885	4315	В	269472
2596	F	641468	4316	В	268249
2597	F	639550	4317	В	270042
2598	F	642029	4318	В	269121
2599	F	640162	4319	В	271051
2600	F	642785	4320	В	269709
2601	F	640954	4321	В	271643
2602	F	643129	4322	В	271051
2603	F	641229	4323	В	272920
2604	F	643440	4324	В	271761
2605	F	641522	4325	В	273662
2606	F,	645316	4326	В	272570
2607	F	643376	4327	В	274469
2608	F	645552	4328	В	273370
2609	F	643613	4329	В	275313
2610	F	646025	4330	В	273884
2611	F	644186	4331	В	275821
2612	F	646773	4332	В	274219
2613	F	644904	4333	В	276115
2614	F	647678	4334	В	274796
2615	F	645712	4335	В	276716
2616	F	648128	4336	В	275980
2617	F	646249	4337	В	277886
2618	F	650179	4338	В	276241
2619	F	648244	4339	В	278138
			•		

6025	В	1095056
6026	В	1093403
6027	В	1095301
6028	В	1094437
6029	В	1096375
6030	В	1095839
6031	В	1097798
6032	В	1096858
6033	В	1098751
6034	В	1097305
6035	В	1099205
6036	В	1097835
6037	В	1099724
6038	В	1098097
6039	В	1100046
6040	В	1098615
6041	В	1100561
6042	В	1099098
6043	В	1100975
6044	В	1099614
6045	В	1101442
6046	В	1099747
6047	В	1101651
6048	В	1101298
6049	В	1103227
6050	В	1102435
6051	В	1104381
6052	В	1105179
6053	В	1107090
6054	В	1106770
6055	В	1108631
6056	В	1107502
6057	В	1109392
6058	В	1108337
6059	В	1110240

2620	F	651010
2621	F	649149
2622	F	652904
2623	F	651003
2624	F	653946
2625	F	652070
2626	F	655735
2627	F	653827
2628	F	656759
2629	F	654894
2630	F	658287
263 1	F	656399
2632	F	659973
2633	F	658109
2634	F	662935
2635	F	661035
2636	F	664393
2637	F	662513
2638	F	665972
2639	F	664090
2640	F	666765
2641	F	664879
2642	F	667690
2643	F	665707
2644	F	668261
2645	F	666370
2646	F	668934
2647	F	667029
2648	F	670871
2649	F	668964
2650	F	670629
2651	F	668715
2652	F	672231
2653	F.	670334
2654	F	672846

4340			276716		
4341	E	3	278625		
4342	E	3	277185		
4343	В	}	279054		
4344	В	:	277489		
4345	В		279380		
4346	В		277886		
4347	В		279722		
4348	В		278125		
4349	В		280012		
4350	В		278841		
4351	В	1	280733		
4352	В		279577		
4353	В	1	281466		
4354	В	1	280672		
4355	В	T	282564		
4356	В	1	281767		
4357	В	T	283676		
4358	В	T	282564		
4359	В	T	284462		
4360	В	T	284311		
4361	В	T	286210		
4362	В	T	284740		
4363	В	T	286647		
4364	В		285998		
4365	В	T	287975		
4366	В		286210		
4367	В	Γ	288110		
4368	В		287201		
4369	В	Γ	289106		
4370	В	Γ	287803		
4371	В		289737		
4372	В		288217		
4373	В	290112			
4374	В		288417		
		_			

6060	В	1108653
6061	В	1110570
6062	В	1113632
6063	В	1115499
6064	В	1115225
6065	В	1117081
6066	В	1117154
6067	В	1119051
6068	В	1118403
6069	В	1120310
6070	В	1120257
6071	В	1122178
6072	В	1120776
6073	В	1122682
6074	В	1121660
6075	В	1123554
6076	В	1122120
6077	В	1123999
6078	В	1123243
6079	В	1125024
6080	В	1123752
6081	В	1125688
6082	В	1124484
6083	В	1126360
6084	В	1125020
6085	В	1126928
6086	В	1125790
6087	В	1127735
6088	В	1126747
6089	В	1128662
6090	В	1127899
6091	В	1129808
6092	В	1128819
6093	В	1130695
6094	В	1129798

2655	F	670946	4375	В	290319	6095	В	1131693
2656	F	674040	4376	В	289106	6096	В.	1131563
2657	F	672139	4377	В	290961	6097	В	1133490
2658	F	674573	4378	В	289459	6098	В	1132846
2659	F	672674	4379	В	291358	6099	В	1134684
2660	F	675234	4380	В	289914	6100	В	1134070
2661	F	673377	4381	В	291796	6101	В	1136016
2662	F	675834	4382	В	290477	6102	В	1135089
2663	F	673906	4383	В	292423	6103	В	1137037
2664	F	676378	4384	В	290381	6104	В	1135815
2665	F	674477	4385	В	292309	6105	В	1137715
2666	F	676746	4386	В	291463	6106	В	1136186
2667	F	674888	4387	В	293372	6107	В	1138084
2668	F	677769	4388	В	292104	6108	В	1137365
2669	F	675834	4389	В	293999	6109	В	1139255
2670	F	678270	4390	В	293027	6110	В	1140364
2671	F	676378	4391	В	294951	6111	В	1142228
2672	F	679221	4392	В	293507	6112	В	1141611
2673	F	677325	4393	В	295409	6113	В	1143485
2674	F	679874	4394	В	293999	6114	В	1142478
2675	F	677978	4395	В	295838	6115	В	1144291
2676	F	681173	4396	В	294889	6116	В	1145907
2677	F	679288	4397	В	296750	6117	В	1147783
2678	F	680607	4398	В	295312	6118	В	1146953
2679	F	678674	4399	В	297219	6119	В	1148846
2680	F	682210	4400	В	296373	6120	В	1147769
2681	F	680303	4401	В	298305	6121	В	1149703
2682	F	682542	4402	В	298114	6122	В	1148415
2683	F	680607	4403	В	299985	6123	В	1150357
2684	F	683716	4404	В	298656	6124	В	1148758
2685	F	681842	4405	В	300623	6125	В	1150658
2686	F	684312	4406	В	299027	6126	В	1149462
2687	F	682410	4407	В	300899	6127	В	1151258
2688	F	684880	4408	В	299805	6128	В	1149932
2689	F	682916	4409	В	301692	6129	В	1151845
		······································	·					

2690		F	(05050			
			685958			
2691		F =-	684143			
2692		F —	687264			
2693		F	685363			
2694		F	687959			
2695		F	685958			
2696		3	688514			
2697	1	7	686605			
2698	I	7	689372			
2699	I		687431			
2700	F	7	690201			
2701	F		688318			
2702	F	1	691271			
2703	F	7	689372			
2704	F	1	692436			
2705	F	7	690546			
2706	F	\dagger	694813			
2707	F	\dagger	692930			
2708	F	+	695787			
2709	F	t	693920			
2710	F	\dagger	696363			
2711	F	\dagger	694463			
2712	F	\dagger	698029			
2713	F	\dagger	696133			
2714	F	\dagger	699556			
2715	F	\dagger	697631			
2716	F	+	702303			
2717	F	+	700432			
2718	F	+	702964			
2719	F	\vdash	701079			
2720	F	\vdash	704018			
2721	F	-	702120			
2722	F	-	705018			
2723	<u>F.</u>	-	-703172			
2724	F	\vdash	705992			
		<u> </u>				

	4410		В		300722		
	4411		F	3	302621		
	4412		В		301846		
	4413		E	3	303706		
	4414		E	3	302660		
	4415		В		304642		
	4416		В		303066		
	4417	7	В		304962		
	4418	1	В		303626		
	4419	7	В	1	305479		
	4420	1	В	1	304643		
	4421	7	В	1	306514		
ľ	4422	1	В	1	305479		
ľ	4423	†	В	1	307390		
ľ	4424	\dagger	В	\dagger	306459		
ľ	4425	T	В		308393		
ľ	4426	\dagger	В	\dagger	307662		
ľ	4427	T	В	t	309601		
r	4428	T	В	1	308298		
Γ	4429		В	\dagger	310153		
Γ	4430	T	В	T	309145		
Γ	4431	T	В	T	311044		
	4432		В	T	310468		
Γ	4433	1	В	T	312338		
Г	4434	1	В	一	311437		
	4435	1	В		313337		
	4436	ī	В	\vdash	311857		
	4437	ī	В	H	313860		
	4438	1	3	-	311857		
	4439	I	3	_	313860		
_	4440	F	3		313015		
	4441	E	3		314911		
	4442	4442 E			313687		
	4443	E	3		315549		
_	4444	E	3		313866		

6130		В	1150814
6131		В	1152747
6132		В	1151409
6133		В	1153285
6134		В	1152540
6135		В	1154341
6136		В	1154863
6137		В	1156751
6138		В	1155886
6139		В	1157813
6140	T	В	1156963
6141	T	В	1158871
6142	T	В	1158093
6143		В	1159947
6144		В	1160998
6145	T	В	1162864
6146	T	В	1162864
6147		В	1164740
6148		В	1163244
6149]	В	1165090
6150]	В	1164244
6151]	В	1166175
6152	1	3	1164517
6153	I	3	1166482
6154	F	3	1165167
6 155	I	3	1167100 .
6156	I	3	1165789
6157	I	3	1167710
6158	Ē	3	1166376
6159	E	7	1168228
6160	B	T	1166872
6161	В		1168764
6162	В	1	1168598
61.63	В	1	1170498
6164	В	+	1169447

2725 F 704105 4445 B 315784 6165 B 1171347 2726 F 706535 4446 B 314911 6166 B 1170043 2727 F 704685 4447 B 316804 6167 B 1171047 2728 F 7075553 4448 B 315701 6169 B 1172616 2730 F 706385 44451 B 316382 6170 B 1172561 2731 F 706385 4451 B 318284 6171 B 1173507 2732 F 706897 4453 B 320778 6173 B 1172505 2734 F 709589 4454 B 321262 6174 B 1172502 2735 F 707689 4455 B 323214 6175 B 1174508 2736 F 709907 4456 <td< th=""><th></th><th></th><th>· · · · · · · · · · · · · · · · · · ·</th><th></th><th><u> </u></th><th>.00</th><th></th><th></th><th></th></td<>			· · · · · · · · · · · · · · · · · · ·		<u> </u>	.00			
2727 F 704685 4447 B 316804 6167 B 1171947 2728 F 707455 4448 B 315809 6168 B 1170689 2729 F 705553 4449 B 317701 6169 B 1172616 2730 F 708360 4450 B 316382 6170 B 1173507 2731 F 706385 4451 B 318284 6171 B 1173507 2733 F 706997 4453 B 3320778 6173 B 1172205 2734 F 709589 4454 B 321262 6174 B 1172562 2735 F 707689 4455 B 321265 6176 B 1174018 2737 F 707963 4457 B 322571 6178 B 1174018 2739 F 709936 4459	2725	F	704105	. 4445	В	315784	6165	В	1171347
2728 F 707455 4448 B 315809 6168 B 1170689 2729 F 705553 4449 B 317701 6169 B 1172616 2730 F 708360 4450 B 316382 6170 B 1172561 2731 F 706385 4451 B 318284 6171 B 1172305 2733 F 706997 4453 B 320778 6173 B 1174210 2734 F 709589 4454 B 321262 6174 B 1172562 2735 F 707689 4455 B 322165 6174 B 1172562 2736 F 709907 4456 B 321665 6176 B 1174018 2737 F 707963 4457 B 323565 6177 B 1175899 2738 F 711269 4458 B	2726	F	706535	4446	В	314911	6166	В	1170043
2729 F 705553 4449 B 317701 6169 B 1172616 2730 F 708360 4450 B 316382 6170 B 1171556 2731 F 706385 4451 B 318284 6171 B 1173507 2732 F 708897 4452 B 318881 6172 B 1172305 2733 F 706997 4453 B 320778 6173 B 1174210 2734 F 709589 4454 B 321262 6174 B 1172562 2735 F 707689 4455 B 321665 6176 B 1174508 2736 F 709907 4456 B 321665 6176 B 1174508 2737 F 707963 4457 B 323565 6177 B 1175899 2738 F 711269 4458 B	2727	F	704685	4447	В	316804	6167	В	1171947
2730 F 708360 4450 B 316382 6170 B 1171556 2731 F 706385 4451 B 318284 6171 B 1173507 2732 F 708897 4452 B 318881 6172 B 1172305 2733 F 706997 4453 B 320778 6173 B 1174210 2734 F 70989 4454 B 321262 6174 B 1172562 2735 F 707689 4455 B 323214 6175 B 1174508 2736 F 709907 4456 B 321665 6176 B 1175899 2737 F 707963 4457 B 323565 6177 B 1175899 2738 F 711269 4458 B 322571 6178 B 1175429 2739 F 70396 4469 B </td <td>2728</td> <td>F</td> <td>707455</td> <td>4448</td> <td>В</td> <td>315809</td> <td>6168</td> <td>В</td> <td>1170689</td>	2728	F	707455	4448	В	315809	6168	В	1170689
2731 F 706385 4451 B 318284 6171 B 1173507 2732 F 708897 4452 B 318881 6172 B 1173507 2733 F 706997 4453 B 320778 6173 B 1174210 2734 F 709589 4454 B 321262 6174 B 1172562 2735 F 707689 4455 B 323214 6175 B 1174508 2736 F 709907 4456 B 321665 6176 B 1174508 2737 F 707963 4457 B 323565 6177 B 1175899 2738 F 711269 4458 B 322571 6178 B 1175429 2739 F 709396 4459 B 324461 6179 B 1175734 2740 F 711864 4460 B	2729	F	705553	4449	В	317701	6169	В	1172616
2732 F 708897 4452 B 318881 6172 B 1172305 2733 F 706997 4453 B 320778 6173 B 1172305 2734 F 709589 4454 B 321262 6174 B 1172502 2735 F 707689 4455 B 323214 6175 B 1174508 2736 F 709907 4456 B 321665 6176 B 1174018 2737 F 707963 4457 B 322571 6178 B 1175429 2739 F 709396 4459 B 322461 6179 B 1175429 2740 F 711864 4460 B 323425 6180 B 1177579 2741 F 709985 4461 B 325316 6181 B 1177347 2742 F 714531 4462 B	2730	F	708360	4450	В	316382	6170	В	1171556
2733 F 706997 4453 B 320778 6173 B 1174210 2734 F 709589 4454 B 321262 6174 B 1172562 2735 F 707689 4455 B 323214 6175 B 1172502 2736 F 709907 4456 B 321665 6176 B 1174018 2737 F 707963 4457 B 323565 6177 B 1175899 2738 F 711269 4458 B 322571 6178 B 1175429 2739 F 709396 4459 B 324461 6179 B 1175429 2740 F 711864 4460 B 323425 6180 B 1175793 2741 F 709985 4461 B 324095 6182 B 1177347 2742 F 714531 4462 B	2731	F	706385	4451	В	318284	6171	В	1173507
2734 F 709589 4454 B 321262 6174 B 1172562 2735 F 707689 4455 B 323214 6175 B 1174508 2736 F 709907 4456 B 321665 6176 B 1174018 2737 F 707963 4457 B 323565 6177 B 1175899 2738 F 711269 4458 B 322571 6178 B 1175429 2739 F 709396 4459 B 324461 6179 B 1175429 2740 F 711864 4460 B 323316 6180 B 1175793 2741 F 709985 4461 B 325316 6181 B 1177675 2742 F 714531 4462 B 324095 6182 B 1179199 2744 F 715653 4463 B	2732	F	708897	4452	В	318881	6172	В	1172305
2735 F 707689 4455 B 323214 6175 B 1174508 2736 F 709907 4456 B 321665 6176 B 1174508 2737 F 707963 4457 B 323565 6177 B 1175899 2738 F 711269 4458 B 322571 6178 B 1175429 2739 F 709396 4459 B 324461 6179 B 1177348 2740 F 711864 4460 B 323425 6180 B 1175793 2741 F 709985 4461 B 325316 6181 B 1177675 2742 F 714531 4462 B 324095 6182 B 1177347 2743 F 715653 4464 B 325135 6183 B 1179199 2744 F 715653 4465 B	2733	F	706997	4453	В	320778	6173	В	1174210
2736 F 709907 4456 B 321665 6176 B 1174018 2737 F 707963 4457 B 323565 6177 B 1175899 2738 F 711269 4458 B 322571 6178 B 1175429 2739 F 709396 4459 B 324461 6179 B 1177348 2740 F 711864 4460 B 323425 6180 B 1175793 2741 F 709985 4461 B 325316 6181 B 1177675 2742 F 714531 4462 B 324095 6182 B 1177347 2743 F 712594 4463 B 325315 6183 B 1179199 2744 F 715653 4464 B 325315 6183 B 1181011 2745 F 713751 4466 B	2734	F	709589	4454	В	321262	6174	В	1172562
2737 F 707963 4457 B 323565 6177 B 1175899 2738 F 711269 4458 B 322571 6178 B 1175899 2739 F 709396 4459 B 324461 6179 B 1177348 2740 F 711864 4460 B 323425 6180 B 1175793 2741 F 709985 4461 B 325316 6181 B 1177675 2742 F 714531 4462 B 324095 6182 B 1177347 2743 F 712594 4463 B 325977 6183 B 1179199 2744 F 715653 4464 B 325135 6184 B 117916 2745 F 713725 4465 B 327001 6185 B 118171 2746 F 717511 4466 B </td <td>2735</td> <td>F</td> <td>707689</td> <td>4455</td> <td>В</td> <td>323214</td> <td>6175</td> <td>В</td> <td>1174508</td>	2735	F	707689	4455	В	323214	6175	В	1174508
2738 F 711269 4458 B 322571 6178 B 1175429 2739 F 709396 4459 B 324461 6179 B 1175429 2740 F 711864 4460 B 323425 6180 B 1175793 2741 F 709985 4461 B 325316 6181 B 1177675 2742 F 714531 4462 B 324095 6182 B 1177347 2743 F 712594 4463 B 325977 6183 B 1179199 2744 F 715653 4464 B 325135 6184 B 1179316 2745 F 713725 4465 B 327001 6185 B 118171 2746 F 717511 4466 B 328557 6187 B 118212 2748 F 718865 4468 B </td <td>2736</td> <td>F</td> <td>709907</td> <td>4456</td> <td>В</td> <td>321665</td> <td>6176</td> <td>В</td> <td>1174018</td>	2736	F	709907	4456	В	321665	6176	В	1174018
2739 F 709396 4459 B 324461 6179 B 1177348 2740 F 711864 4460 B 323425 6180 B 1175793 2741 F 709985 4461 B 325316 6181 B 1177347 2742 F 714531 4462 B 324095 6182 B 1177347 2743 F 712594 4463 B 325777 6183 B 1179199 2744 F 715653 4464 B 325135 6184 B 1179316 2745 F 713725 4465 B 327001 6185 B 1181171 2746 F 717511 4466 B 328557 6187 B 1182122 2748 F 718865 4468 B 328081 6188 B 1181048 2750 F 720365 4470 B	2737	F	707963	4457	В	323565	6177	В	1175899
2740 F 711864 4460 B 323425 6180 B 1175793 2741 F 709985 4461 B 325316 6181 B 1175793 2742 F 714531 4462 B 324095 6182 B 1177347 2743 F 712594 4463 B 325977 6183 B 1179199 2744 F 715653 4464 B 325135 6184 B 1179199 2745 F 713725 4465 B 327001 6185 B 1181171 2746 F 717511 4466 B 326634 6186 B 1180309 2747 F 715615 4467 B 328557 6187 B 1182212 2748 F 716993 4469 B 329595 6189 B 1182918 2750 F 720365 4470 B	2738	F	711269	4458	В	322571	6178	В	1175429
2741 F 709985 4461 B 325316 6181 B 1177675 2742 F 714531 4462 B 324095 6182 B 1177347 2743 F 712594 4463 B 325977 6183 B 1179199 2744 F 715653 4464 B 325135 6184 B 1179316 2745 F 713725 4465 B 327001 6185 B 1181171 2746 F 717511 4466 B 326634 6186 B 1180309 2747 F 715615 4467 B 328557 6187 B 118212 2748 F 718865 4468 B 328081 6188 B 1181048 2750 F 720365 4470 B 328719 6190 B 1182162 2751 F 718471 B 33059	2739	F	709396	4459	В	324461	6179	В	1177348
2742 F 714531 4462 B 324095 6182 B 1177347 2743 F 712594 4463 B 325977 6183 B 1179199 2744 F 715653 4464 B 325135 6184 B 1179316 2745 F 713725 4465 B 327001 6185 B 1181171 2746 F 717511 4466 B 326634 6186 B 1180309 2747 F 715615 4467 B 328557 6187 B 1182212 2748 F 718865 4468 B 328081 6188 B 1181048 2749 F 716993 4469 B 329599 6189 B 1182918 2750 F 720365 4470 B 328719 6190 B 1182402 2751 F 718471 4471 B	2740	F	711864	4460	В	323425	6180	В	1175793
2743 F 712594 4463 B 325977 6183 B 1179199 2744 F 715653 4464 B 325135 6184 B 1179199 2745 F 713725 4465 B 327001 6185 B 1181171 2746 F 717511 4466 B 326634 6186 B 1180309 2747 F 715615 4467 B 328557 6187 B 1182212 2748 F 718865 4468 B 328081 6188 B 1182012 2749 F 716993 4469 B 329959 6189 B 1182918 2750 F 720365 4470 B 328719 6190 B 1182162 2751 F 718471 4471 B 330596 6191 B 1184078 2752 F 722155 4472 B	2741	F	709985	4461	В	325316	6181	В	1177675
2744 F 715653 4464 B 325135 6184 B 1179316 2745 F 713725 4465 B 327001 6185 B 1181171 2746 F 717511 4466 B 326634 6186 B 1180309 2747 F 715615 4467 B 328557 6187 B 1182212 2748 F 716993 4469 B 328081 6188 B 1181048 2749 F 716993 4469 B 329959 6189 B 1182918 2750 F 720365 4470 B 328719 6190 B 1182062 2751 F 718471 4471 B 330596 6191 B 1184078 2752 F 722155 4472 B 328893 6192 B 1184078 2754 F 722897 4474 B	2742	F	714531	4462	В	324095	6182	В	1177347
2745 F 713725 4465 B 327001 6185 B 1181171 2746 F 717511 4466 B 326634 6186 B 1180309 2747 F 715615 4467 B 328557 6187 B 1182212 2748 F 718865 4468 B 328081 6188 B 1181048 2749 F 716993 4469 B 329959 6189 B 1182918 2750 F 720365 4470 B 328719 6190 B 1182162 2751 F 718471 4471 B 330596 6191 B 1184078 2752 F 722155 4472 B 328893 6192 B 1182528 2753 F 720253 4473 B 330825 6193 B 1184078 2754 F 720989 4475 B	2743	F	712594	4463	В	325977	6183	В	1179199
2746 F 717511 4466 B 326634 6186 B 1180309 2747 F 715615 4467 B 328557 6187 B 1182212 2748 F 718865 4468 B 328081 6188 B 1181048 2749 F 716993 4469 B 329959 6189 B 1182918 2750 F 720365 4470 B 328719 6190 B 1182162 2751 F 718471 4471 B 330596 6191 B 1184078 2752 F 722155 4472 B 328893 6192 B 1182528 2753 F 720253 4473 B 330825 6193 B 1184078 2755 F 720989 4475 B 331485 6195 B 1186015 2756 F 721493 4476 B	2744	F	715653	4464	В	325135	6184	В	1179316
2747 F 715615 4467 B 328557 6187 B 1182212 2748 F 718865 4468 B 328081 6188 B 1181048 2749 F 716993 4469 B 329959 6189 B 1182918 2750 F 720365 4470 B 328719 6190 B 1182162 2751 F 718471 4471 B 330596 6191 B 1184078 2752 F 722155 4472 B 328893 6192 B 1182528 2753 F 720253 4473 B 330825 6193 B 1184078 2754 F 722897 4474 B 329590 6194 B 1186015 2756 F 723385 4476 B 331127 6196 B 1186540 2757 F 721493 4478 B	2745	F	713725	4465	В	327001	6185	В	1181171
2748 F 718865 4468 B 328081 6188 B 1181048 2749 F 716993 4469 B 329959 6189 B 1182918 2750 F 720365 4470 B 328719 6190 B 1182162 2751 F 718471 4471 B 330596 6191 B 1184078 2752 F 722155 4472 B 328893 6192 B 1182528 2753 F 720253 4473 B 330825 6193 B 1184437 2754 F 722897 4474 B 329590 6194 B 1184078 2755 F 720989 4475 B 331485 6195 B 1186015 2756 F 721493 4476 B 333069 6196 B 1186540 2758 F 724029 4478 B	2746	F	717511	4466	В	326634	6186	В	1180309
2749 F 716993 4469 B 329959 6189 B 1182918 2750 F 720365 4470 B 328719 6190 B 1182162 2751 F 718471 4471 B 330596 6191 B 1184078 2752 F 722155 4472 B 328893 6192 B 1182528 2753 F 720253 4473 B 330825 6193 B 1184437 2754 F 722897 4474 B 329590 6194 B 1184078 2755 F 720989 4475 B 331485 6195 B 1186015 2756 F 723385 4476 B 331127 6196 B 1184698 2757 F 721493 4478 B 332679 6198 B 1185631	2747	F	715615	4467	В	328557	6187	В	1182212
2750 F 720365 4470 B 328719 6190 B 1182162 2751 F 718471 B 330596 6191 B 1184078 2752 F 722155 4472 B 328893 6192 B 1182528 2753 F 720253 4473 B 330825 6193 B 1184437 2754 F 722897 4474 B 329590 6194 B 1184078 2755 F 720989 4475 B 331485 6195 B 1186015 2756 F 723385 4476 B 331127 6196 B 1186540 2757 F 721493 4477 B 333069 6197 B 1186540 2758 F 724029 4478 B 332679 6198 B 1185631	2748	F	718865	4468	В	328081	6188	В	1181048
2751 F 718471 4471 B 330596 6191 B 1184078 2752 F 722155 4472 B 328893 6192 B 1182528 2753 F 720253 4473 B 330825 6193 B 1184437 2754 F 722897 4474 B 329590 6194 B 1184078 2755 F 720989 4475 B 331485 6195 B 1186015 2756 F 723385 4476 B 331127 6196 B 1184698 2757 F 721493 4477 B 333069 6197 B 1186540 2758 F 724029 4478 B 332679 6198 B 1185631	2749	F	716993	4469	В	329959	6189	В	1182918
2752 F 722155 4472 B 328893 6192 B 1182528 2753 F 720253 4473 B 330825 6193 B 1184437 2754 F 722897 4474 B 329590 6194 B 1184078 2755 F 720989 4475 B 331485 6195 B 1186015 2756 F 723385 4476 B 331127 6196 B 1184698 2757 F 721493 4477 B 333069 6197 B 1186540 2758 F 724029 4478 B 332679 6198 B 1185631	2750	F	720365	4470	В	328719	6190	В	1182162
2753 F 720253 4473 B 330825 6193 B 1184437 2754 F 722897 4474 B 329590 6194 B 1184078 2755 F 720989 4475 B 331485 6195 B 1186015 2756 F 723385 4476 B 331127 6196 B 1184698 2757 F 721493 4477 B 333069 6197 B 1186540 2758 F 724029 4478 B 332679 6198 B 1185631		F	718471	4471	В	330596	6191	В	1184078
2754 F 722897 4474 B 329590 6194 B 1184078 2755 F 720989 4475 B 331485 6195 B 1186015 2756 F 723385 4476 B 331127 6196 B 1184698 2757 F 721493 4477 B 333069 6197 B 1186540 2758 F 724029 4478 B 332679 6198 B 1185631			722155	4472	В	328893	6192	В	1182528
2755 F 720989 4475 B 331485 6195 B 1186015 2756 F 723385 4476 B 331127 6196 B 1184698 2757 F 721493 4477 B 333069 6197 B 1186540 2758 F 724029 4478 B 332679 6198 B 1185631	2753	F	720253	4473	В	330825	6193	В	1184437
2756 F 723385 4476 B 331127 6196 B 1184698 2757 F 721493 4477 B 333069 6197 B 1186540 2758 F 724029 4478 B 332679 6198 B 1185631			722897	4474	В	329590	6194	В	1184078
2757 F 721493 4477 B 333069 6197 B 1186540 2758 F 724029 4478 B 332679 6198 B 1185631					В	331485	6195	В	1186015
2758 F 724029 4478 B 332679 6198 B 1185631				4476	В	331127	6196	В	1184698
0000				4477	В	333069	6197	В	1186540
2759 F 722081 4479 B 334592 6199 B 1187530					В	332679	6198	В	1185631
	2759	F	722081	4479	В	334592	6199	В	1187530

				-	204		
2760	F	724678	. 4480	В	334790	6200	T
2761	F	722749	4481	В	336673	6201	†
2762	F	726048	4482	В	336311	6202	\dagger
2763	F	724143	4483	В	338267	6203	\dagger
2764	F	726897	4484	В	337572	6204	\dagger
2765	F	724997	4485	В	339431	6205	\dagger
2766	F	727969	4486	В	338545	6206	\dagger
2767	F	726086	4487	В	340463	6207	†
2768	F	728380	4488	В	339058	6208	\dagger
2769	F	726446	4489	В	341011	6209	\dagger
2770	F	729281	4490	В	339740	6210	t
2771	F	727410	4491	В	341628	6211	\dagger
2772	F	729510	4492	В	340366	6212	\dagger
2773	F	727579	4493	В	342354	6213	\dagger
2774	F	729949	4494	В	343265	6214	t
2775	F	728036	4495	В	345125	6215	t
2776	F	730367	4496	В	344126	6216	T
2777	F	728455	4497	В	345957	6217	\dagger
2778	F	731760	4498	В	344391	6218	1
2779	F	729866	4499	В	346291	6219	
2780	F	732172	4500	В	345324	6220	
2781	F	730275	4501	В	347236	6221	
2782	F	733018	4502	В	346289	6222	†
2783	F	731197	4503	В	348198	6223	
2784	F	733252	4504	В	347090	6224]
2785	F	731354	4505	В	348914	6225	
2786	F	733674	4506	В	347292	6226]
2787	F	731760	4507	В	349158	6227	7
2788	F	734054	4508	В	347946	6228]
2789	F	732172	4509	В	349851	6229	1
2790	F	734632	4510	В	350799	6230	1
2791	F	732736	4511	В	352598	6231]
2792	F	735071	4512	В	351313	6232]
2793	F	733219	4513	В	353223	6233	1
2794	F	735381	4514	В	352400	6234]
		·			·	L	1

6200	ת	1100000
6200	B	1186079
6201	В	1188004
6202	B	1186704
6203	В	1188610
6204	В	1189251
6205	В	1191165
6206	В	1187609
6207	В	1189506
6208	В	1191165
6209	В	1193050
6210	В	1192378
6211	В	1194291
6212	В	1192265
6213	В	1194114
6214	В	1193058
6215	В	1194987
6216	В	1193224
6217	В	1195115
6218	В	1194035
6219	В	1195955
6220	В	1194384
6221	В	1196265
6222	В	1194291
6223	В	1196205
6224	В	1195955
6225	В	1197863
6226	В	1196570
6227	В	1198423
6228	В	1197051
6229	В	1198951
6230	В	1198058
6231	В	1199931
6232	В	1198960
6233	В	1200867
6234	В	1200490

2795	F	733445	. 4515	В	354357	6235	В	1202395
2796	F	735852	4516	В	353522	6236	В	1201512
2797	F	733957	4517	В	355411	6237	В	1203426
2798	F	736244	4518	В	354690	6238	В	1202606
2799	F	734401	4519	В	356610	6239	В	1204532
2800	F	736982	4520	В	355158	6240	В	1203139
2801	F	735071	4521	В	357057	6241	В	1205063
2802	F	737321	4522	В	355676	6242	В	1203691
2803	F	7 35397	4523	В	357681	6243	В	1205597
2804	F	737566	4524	В	356995	6244	В	1204382
2805	F	735696	4525	В	358866	6245	В	1206284
2806	F	738491	4526	В	356173	6246	В	1205249
2807	F	736564	4527	В	358074	6247	В	1207170
2808	F	738797	4528	В	359607	6248	В	1206651
2809	F	736935	4529	В	361536	6249	В	1208536
2810	F	739513	4530	В	359550	6250	В	1206976
2811	F	737626	4531	В	361442	6251	В	1208862
2812	F	740420	4532	В	360135	6252	В	1208092
2813	F	738526	4533	В	362033	6253	В	1210002
2814	F	7 40457	4534	В	361536	6254	В	1209115
2815	F	738599	4535	В	363461	6255	В	1210973
2816	ŗ	741553	4536	В	364013	6256	В	1209979
2817	F	739676	4537	В	365905	6257	В	1211892
2818	F	742518	4538	В	364716	6258	В	1210739
2819	F	740565	4539	В	366707	6259	В	1212639
2820	F	743344	4540	В	365000	6260	В	1211761
2821	F	741509	4541	В	366941	6261	В	1213680
2822	F	743875	4542	В	365513	6262	В	1212985
2823	F	741984	4543	В	367447	6263	В	1214894
2824	F	744240	4544	В	365892	6264	В	1214299
2825	F	742365	4545	В	367873	6265	В	1216189
2826	F	744725	4546	В	366877	6266	В	1215132
2827	F	742858	4547	В	368725	6267	В	1217036
2828	F	746380	4548	В	369265	6268	В	1215714
2829	F	744493	4549	В	371167	6269	В	1217542

2830	F	746957
2831	F	745071
2832	F	747868
2833	F	746023
2834	F	748351
2835	F	746451
2836	F	749395
2837	F	747505
2838	F	749745
2839	F	747857
2840	F	750165
2841	F	748278
2842	F	751013
2843	F	749169
2844	F	752798
2845	F	750889
2846	F	754878
2847	F	752967
2848	F	755856
2849	F	754001
2850	F	756262
2851	F	754372
2852	F	760075
2853	F	758175
2854	F	761069
2855	F	759172
2856	F	761549
2857	F	759660
2858	F	761988
2859	F	760141
2860	F	762611
2861	F	760747
2862	F	763097
2863	F	761136
2864	F	763622
t	1	

Ŀ	4550	В		370088
	4551	В		371988
	4552	В		370669
	4553	В		372611
Γ	4554	В	1	372871
	4555	В	1	374773
	4556	В	1	373315
	4557	В	7	375227
	4558	В	1	373665
	4559	В	†	375592
	4560	В	†	374428
	4561	В	\dagger	376335
	4562	В	T	375355
	4563	В	\dagger	377248
	4564	В	t	375913
	4565	В	t	377796
	4566	В	†	376483
	4567	В	t	378318
	4568	В	T	377873
	4569	В	t	379798
	4570	В	t	380040
	4571	В	T	381898
	4572	В	T	380699
	4573	В	T	382561
	4574	В	T	381249
	4575	В	T	383174
	4576	В		381689
	4577	В	H	383629
	4578	В	r	383282
	4579	В	H	385161
	4580	В	r	383789
	4581	В	-	385647
	4582	В	-	385560
	4583	В		387427
	4584	В		386760
	<u></u>			

6270	В	1216541
6271	В	1218462
6272	В	1216828
6273	В	1218677
6274	В	1217166
6275	В	1218973
6276	В	1219876
6277	В	1221743
6278	В	1220892
6279	В	1222895
6280	В	1220288
6281	В	1222189
6282	В	1221657
6283	В	1223517
6284	В	1223930
6285	В	1225828
6286	В	1225211
6287	В	1227132
6288	В	1226090
6289	В	1227979
6290	В	1227132
6291	В	1229039
6292	В	1228061
6293	В	1229948
6294	В	1228293
6295	В	267
6296	В	1228524
6297	В	444
6298	В	267
6299	В	2068
6300	F	25997
6301	F	24032
6302	F	27128
6303	F	25189
6304	F	66744

					.57			
2865	F	761742	4585	В	388588	6305	F	64845
2866	F	765438	4586	В	387508	6306	F	70130
2867	F	763525	4587	В	389369	6307	F	68200
2868	F	766664	4588	В	388984	6308	F	132477
2869	F	764747	4589	В	390900	6309	F	130559
2870	F	768045	4590	В	390387	6310	F	177854
2871	F	766196	4591	В	392260	6311	F	175906
2872	F	768329	4592	В	391202	6312	F	208127
2873	F	766429	4593	В	393055	6313	F	206180
2874	F	769107	4594	В	392044	6314	F	208688
2875	F	767244	4595	В	393959	6315	F	206807
2876	F	770507	4596	В	392615	6316	F	208732
2877	F	768633	4597	В	394499	6317	F	206877
. 2878	F	771618	4598	В	393218	6318	F	210051
2879	F	769725	4599	В	395123	6319	F	208141
2880	F	772865	4600	В	393909	6320	F	298801
2881	F	770975	4601	В	395807	6321	F	296907
2882	F	772865	4602	В	394566	6322	F	351495
2883	F	770970	4603	В	396498	6323	F	349572
2884	F	774810	4604	В	395027	6324	F	419727
2885	F	772927	4605	В	396931	6325	F	417822
2886	F	774131	4606	В	395531	6326	F	553133
2887	F	772232	4607	В	397467	6327	F	551247
2888	F	774604	4608	В	396227	6328	F	556301
2889	F	772782	4609	В	398132	6329	F	554410
2890	F	775851	4610	В	398070	6330	F	593567
2891	F	773934	4611	В	399935	6331	F	591675
2892	F	777314	4612	В	399189	6332	F	594641
2893	F	775412	4613	В	400970	6333	F	592748
2894	F	777677	4614	В	400351	6334	F	661934
2895	F	775781	4615	В	402208	6335	F	660041
2896	F	778400	4616	В	401465	6336	F	706309
2897	F	776472	4617	В	403507	6337	F	704409
2898	F	779281	4618	В	401705	6338	F	803092
2899	F	777333	4619	В	403666	6339	F	801192
							ч	

2900	F	780063
2901	F	778150
2902	F	780885
2903	F	778994
2904	F	781333
2905	F	779431
2906	F	782524
2907	F	780674
2908	F	783349
2909	F	781433
2910	F	785138
2911	F	783238
2912	F	786197
2913	F	784328
2914	F	788274
2915	F	786387
2916	F	788679
2917	F	786778
2918	F	790090
2919	F	788213
2920	F	791608
2921	F	789711
2922	F	792499
2 923	F	790605
2924	F	793324
2925	F	791440
2926	F	794068
2 927	F	792185
2928	F	794998
2929	F	793098
2930	F	795457
2931	F	793582
2932	F	796831
2933	F	794931
2934	F	798455

4620	В	402461
4621	В	404410
4622	В	403507
4623	В	405356
4624	В	404421
4625	В	406295
4626	В	406160
4627	В	408052
4628	В	407645
4629	В	409450
4630	В	407922
4631	В	409744
4632	В	409039
4633	В	410960
4634	В	410673
4635	В	412559
4636	В	411193
4637	В	413064
4638	В	412049
4639	В	413946
4640	В	414525
4641	В	416425
4642	В	415622
4643	В	417559
4644	В	416072
4645	В	417968
4646	В	417351
4647	В	419259
4648	В	417789
4649	В	419748
4650	В	418569
4651	В	420453
4652	В	420345
4653	В	422177
4654	В	421003
l		

6340 F 849060 6341 F 847142 6342 F 913050 6343 F 911152 6344 F 926614 6345 F 924714 6346 F 930121 6347 F 928238 6348 F 986297 6349 F 984362 6350 F 996001 6351 F 996001 6351 F 997877 6352 F 999731 6353 F 997877 6354 F 1009782 6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1010540 6360 F 1028431 6361 F 1086215 6362 F 1086215 6363 F 1167713 <t< th=""><th></th><th></th><th></th></t<>			
6342 F 913050 6343 F 911152 6344 F 926614 6345 F 924714 6346 F 930121 6347 F 928238 6348 F 986297 6349 F 984362 6350 F 996001 6351 F 997877 6352 F 9997877 6353 F 997877 6354 F 1007891 6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 118417 6365 F 1167713 6366 F 1167713	6340	F	849060
6343 F 911152 6344 F 926614 6345 F 924714 6346 F 930121 6347 F 928238 6348 F 986297 6349 F 984362 6350 F 996001 6351 F 994109 6352 F 997877 6353 F 997877 6354 F 1009782 6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1026524 6361 F 1026524 6362 F 1086215 6363 F 118417 6365 F 1167713 6366 F 1167713 6367 F 1180498	6341	F	847142
6344 F 926614 6345 F 924714 6346 F 930121 6347 F 928238 6348 F 986297 6349 F 984362 6350 F 996001 6351 F 994109 6352 F 999731 6353 F 997877 6354 F 1009782 6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 1116527 6366 F 1169595 6367 F 1167713 6368 F 1180592 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6342	F	913050
6345 F 924714 6346 F 930121 6347 F 928238 6348 F 986297 6349 F 984362 6350 F 996001 6351 F 994109 6352 F 9997877 6353 F 997877 6354 F 1009782 6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 116527 6366 F 116527 6366 F 1167713 6368 F 1178709 6370 F 1182406	6343	F	911152
6346 F 930121 6347 F 928238 6348 F 986297 6349 F 984362 6350 F 996001 6351 F 994109 6352 F 999731 6353 F 997877 6354 F 1009782 6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 116527 6366 F 1167713 6368 F 118709 6370 F 1182406 6371 F 1194573	6344	F	926614
6347 F 928238 6348 F 986297 6349 F 984362 6350 F 996001 6351 F 994109 6352 F 999731 6353 F 997877 6354 F 1009782 6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 116527 6366 F 116527 6367 F 1167713 6368 F 1178709 6370 F 1182406 6371 F 1194573	6345	F	924714
6348 F 986297 6349 F 984362 6350 F 996001 6351 F 994109 6352 F 999731 6353 F 997877 6354 F 1009782 6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 116527 6366 F 1167713 6368 F 118709 6370 F 1182406 6371 F 1194573 6372 F 1192667	6346	F	930121
6349 F 984362 6350 F 996001 6351 F 996001 6351 F 994109 6352 F 997877 6353 F 997877 6354 F 1009782 6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 116527 6366 F 1169595 6367 F 1167713 6368 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6347	F	928238
6350 F 996001 6351 F 994109 6352 F 999731 6353 F 997877 6354 F 1009782 6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 116527 6366 F 1169595 6367 F 1167713 6368 F 1180592 6369 F 1178709 6370 F 1180498 6372 F 1194573 6373 F 1192667	6348	F	986297
6351 F 994109 6352 F 999731 6353 F 997877 6354 F 1009782 6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 116527 6366 F 116527 6367 F 1167713 6368 F 1180592 6369 F 1178709 6370 F 1182406 6371 F 1194573 6373 F 1192667	6349	F	984362
6352 F 999731 6353 F 997877 6354 F 1009782 6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 1116527 6366 F 1169595 6367 F 1167713 6368 F 1180592 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6350	F	996001
6353 F 997877 6354 F 1009782 6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 1116527 6366 F 1169595 6367 F 1167713 6368 F 1180592 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6351	F	994109
6354 F 1009782 6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 116527 6366 F 1167713 6368 F 1187709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6352	F	999731
6355 F 1007891 6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 1116527 6366 F 1169595 6367 F 1167713 6368 F 1180592 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6353	F	997877
6356 F 1010540 6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 1116527 6366 F 1169595 6367 F 1167713 6368 F 1180592 6369 F 1178709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6354	F	1009782
6357 F 1008671 6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 1116527 6366 F 1169595 6367 F 1167713 6368 F 1180592 6369 F 1178709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6355	F	1007891
6358 F 1012465 6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 1116527 6366 F 1167713 6368 F 1180592 6369 F 1178709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6356	F	1010540
6359 F 1010540 6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 1116527 6366 F 1169595 6367 F 1167713 6368 F 1180592 6369 F 1178709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6357	F	1008671
6360 F 1028431 6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 1116527 6366 F 1169595 6367 F 1167713 6368 F 1180592 6369 F 1178709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6358	F	1012465
6361 F 1026524 6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 1116527 6366 F 1169595 6367 F 1167713 6368 F 1180592 6369 F 1178709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6359	F	1010540
6362 F 1086215 6363 F 1084362 6364 F 1118417 6365 F 1116527 6366 F 1169595 6367 F 1167713 6368 F 1180592 6369 F 1178709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6360	F	1028431
6363 F 1084362 6364 F 1118417 6365 F 1116527 6366 F 1169595 6367 F 1167713 6368 F 1180592 6369 F 1178709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6361	F	1026524
6364 F 1118417 6365 F 1116527 6366 F 1169595 6367 F 1167713 6368 F 1180592 6369 F 1178709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6362	F	1086215
6365 F 1116527 6366 F 1169595 6367 F 1167713 6368 F 1180592 6369 F 1178709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6363	F	1084362
6366 F 1169595 6367 F 1167713 6368 F 1180592 6369 F 1178709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6364	F	1118417
6367 F 1167713 6368 F 1180592 6369 F 1178709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6365	F	1116527
6368 F 1180592 6369 F 1178709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6366	F	1169595
6369 F 1178709 6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6367	F	1167713
6370 F 1182406 6371 F 1180498 6372 F 1194573 6373 F 1192667	6368	F	1180592
6371 F 1180498 6372 F 1194573 6373 F 1192667	6369	F	1178709
6372 F 1194573 6373 F 1192667	6370	F	1182406
6373 F 1192667	6371	F	1180498
	6372	F	1194573
	6373	F	1192667
6374 F 1195654	6374	F	1195654

2935	F	796551	4655	В	422873	6375	F	1193753
2936	F	799056	4656	В	421819	6376	В	26870
2937	F	797147	4657	В	423675	6377	В	28721
2938	F	799558	4658	В	422291	6378	В	27835
2939	F	797649	4659	В	424158	6379	В	
2940	F	801106	4660	В	423186			29730
2941	F	799204	4661	-		6380	В	67456
				В	425075	6381	В	69351
2942	F	802227	4662	В	424544	6382	В	70820
2943	F	800325	4663	В	426443	6383	В	72708
2944	F	803050	4664	В	424859	6384	В	133173
2945	F	801153	4665	В	426714	6385	В	135068
2946	F	803599	4666	В	426302	6386	В	178637
2947	F	801682	4667	В	428193	6387	В	180518
.2948	F	804925	4668	В	427640	6388	В	208864
2949	F	803016	4669	В	429523	6389	В	210727
2950	F	805633	4670	В	428212	6390	В	209376
2951	F	803672	4671	В	430111	6391	В	211305
2952	F	806109	4672	В	428709	6392	В	209483
2953	F	804192	4673	В	430627	6393	В	211383
2954	F	806386	4674	В	430926	6394	В	210875
2955	F	804453	4675	В	432851	6395	В	212766
2956	F	806668	4676	В	431681	6396	В	299694
2957	F	804746	4677	В	433569	6397	В	301582
2958	F	807924	4678	В	432324	6398	В	352312
2959	F	806022	4679	В	434223	6399	В	354200
2960	F	808445	4680	В	433015	6400	В	420390
2961	F	806525	4681	В	434902	6401	В	422291
2962	F	809212	4682	В	433504	6402	В	553822
2963	F	807283	4683	В	435426	6403	В	555736
2964	F	809982	4684	В	434196	6404	В	557050
2965	F	808079	4685	В	436042	6405	В	558930
2966	F	811554	4686	В	436913	6406	В	594583
2967	F	809659	4687	В	438807	6407	В	596527
2968	F.	812268	4688	В	437475	6408	В	595405
2969	F	810340	4689	В	439423	6409	В	597289
L	1	LJ	L	ь		L	<u> </u>	

2970	F	812712
2971	F	810799
2972	F	813355
2973	F	811466
2974	F	815198
2975	F	813243
2976	F	815798
2977	F	813917
2978	F	816879
2979	F	814940
2980	F	817571
2981	F	815676
2982	F	818388
2983	F	816489
2984	F	818884
2985	F	816921
2986	F	819597
2987	F	817680
2988	F	820485
2989	F	818555
2990	F	820764
2991	F	818878
2992	F	821982
2993	F	820080
2994	F	823403
2995	F	821559
2996	F	825235
2997	F	823320
2998	F	826405
2999	F	824501
3000	F	826945
3001	F	825046
3002	F	828489
3003	F	826588
3004	F	829813

4690	В	438591
4691	В	440490
4692	В	440583
4693	В	442491
4694	В	440583
4695	В	442441
4696	В	441274
4697	В	443135
4698	В	441459
4699	В	443353
4700	В	442412
4701	В	444339
4702	В	443184
4703	В	445100
4704	В	443131
4705	В	445100
4706	В	443800
4707	В	445789
4708	В	444771
4709	В	446620
4710	В	445100
4711	В	446962
4712	В	445229
4713	В	447187
4714	В	445974
4715	В	447872
4716	В	448028
4717	В	449927
4718	В	448958
4719	В	450858
4720	В	449850
4721	В	451753
4722	В	451103
4723	В	453045
4724	В	451482
	ــــــا	

6410	В	662614
6411	В	664530
6412	В	707138
6413	В	709063
6414	В	803951
6415	В	805790
6416	В	849771
6417	В	851730
6418	В	913917
6419	В	915796
6420	В	927331
6421	В	929238
6422	В	930857
6423	В	932735
6424	В	986987
6425	В	988912
6426	В	996771
6427	В	998623
6428	В	1000593
6429	В	1002496
6430	В	1010541
6431	В	1012452
6432	В	1011365
6433	В	1013249
6434	В	1013146
6435	В	1015044
6436	В	1029168
6437	В	1031036
6438	В	1087041
6439	В	1088885
6440	В	1119102
6441	В	1121033
6442	В	1170355
6443	В	1172218
6444	В	1181427

3005	F	827917
3006	F	830824
3007	F	828906
3008	F	831936
3009	F	830099
3010	F	833126
3011	F	831274

. 4725	В	453330
4726	В	452676
4727	В	454575
4728	В	453884
4729	В	455783
4730	В	455068
4731	В	456963

6445	В	1183338
6446	В	1183263
6447	В	1185158
6448	В	1195296
6449	В	1197175
6450	В	1196406
6451	В	1198306

TABLE 6

clone Name	SEQ ID NO (B)	SEQ ID NO (F)	Chromosomal region
790313H3#	6452	6648	A
790331B1#	6453	6649	A
790233A9#	6454	6650	A
790031G7#	6455	6651	A
890021E4#	6456	6652	A
790021E11#	6457	6653	A
790332G10#	6458	6654	A
790271B6#	6459	6655	A
790253H6#	6460	6656	A
790214E8#	6461	6657	A
790352D2#	6462	6658	A
- 790373F2#	6463	6659	A
790424A7#	6464	6660	A
790282F3#	6465	6661	A
790272F5#	6466	6662	Α
790424F6#	6467	6663	A
890033H11#	6468	6664	A
790264H10#	6469	6665	A
790293A5#	6470	6666	Α
790391E8#	6471	6667	A
890022B8#	6472	6668	A
790332B9#	6473	6669	A
790251B9#	6474	6670	A
790344E8#	6475	6671	В
790323F3#	6476	6672	В
790231G2#	6477	6673	В
790341C5#	6478	6674	В
790332H9#	6479	6675	В
890013A8#	6480	6676	В
790394F2#	6481	6677	В
790222G5#	6482	6678	В
790402A10#	6483	6679	В
790283F6#	6484	6680	В

790041H11#	6485	6681	В
79 0381C7#	6486	6682	В
790213E1#	6487	6683	В
790211C4#	6488	6684	В
790251B5#	6489	6685	В
790043H9#	6490	6686	В
790303F7#	6491	6687	В
790251G5#	6492	6688	· В
79 0044H7#	6493	6689	В
790022E4#	6494	6690	В
790252A8#	6495	6691	В
790313E9#	6496	6692	В
790264G2#	6497	6693	В
790372A4#	6498	6694	В
790411C2#	6499	6695	В
790322B7#	6500	6696	В
790254F7#	6501	6697	В
790323B12#	6502	6698	В
790263E5#	6503	6699	В
790223C8#	6504	6700	В
790231H2#	6505	6701	В
790324E12#	6506	6702	В
790271D7#	6507	6703	В
790222E8#	6508	6704	В
790083G7#	6509	6705	В
790241D3#	6510	6706	В
790303C8#	6511	6707	В
790283F10#	6512	6708	В
790241B7#	6513	6709	В
790373F10#	6514	6710	В
790362F9#	6515	6711	В
790263H8#	6516	6712	В
790393D10#	6517	6713	В
790313D12#	6518	6714	В
890024C6#	6519	6715	В

<u> </u>	·		
890024B10#	6520	6716	В
790212E2#	6521	6717	В
790362E10#	6522	6718	В
790344G11#	6523	6719	В
890011D2#	6524	6720	В
790341B11#	6525	6721	В
790064E10#	6526	6722	В
790212E1#	6527	6723	- B
790213G5#	6528	6724	В
790331F2#	6529	6725	В
890024B9#	6530	6726	В
790421F5#	6531	6727	В
890014D11#	6532	6728	В
790373F3#	6533	6729	В
790293D4#	6534	6730	В
790211A3#	6535	6731	В
790211H8#	6536	6732	В
790264E7#	6537	6733	В
790292B11#	6538	6734	В
790312A2#	6539	6735	В
890012D5#	6540	6736	В
790012D12#	6541	6737	В
790291E10#	6542	6738	В
790241C9#	6543	6739	В
790343F1#	6544	6740	В
790241D7#	6545	6741	В
790031H7#	6546	6742	В
790081C4#	6547	6743	В
790013B7#	6548	6744	В
790213F3#	6549	6745	В
790292F9#	6550	6746	В
790423F4#	6551	6747	В
790331F3#	6552	6748	В
790222B10#	6553	6749	В
790261G12#	6554	6750	В
	0554	0730	ß

		200	
790423G10#	6555	6751	В
790392A9#	6556	6752	В
790331B5#	6557	6753	В
790323H3#	6558	6754	В
890014H8#	6559	6755	В
790231B6#	6560	6756	В
790252F7#	6561	6757	В
790392C10#	6562	6758	В
790021D4#	6563	6759	В
790052D10#	6564	6760	В
790261E3#	6565	6761	В
890023E10#	6566	6762	В
790244B7#	6567	6763	В
- 790383E1#	6568	6764	В
790401B11#	6569	6765	В
790411B5#	6570	6766	В
790423A11#	6571	6767	В
790031A4#	6572	6768	В
790241G3#	6573	6769	В
790044F7#	6574	6770	В
790252B10#	6575	6771	В
790293F9#	6576	6772	В
790282H3#	6577	6773	В
790381C10#	6578	6774	В
790024H5#	6579	6775	В
790354H7#	6580	6776	В
790411F9#	6581	6777	В
790324G10#	6582	6778	В
790014A5#	6583	6779	В
790381F3#	6584	6780	В
790424D3#	6585	6781	В
790394A10#	6586	6782	В
790423C10#	6587	6783	В
790214D6#	6588	6784	В
790214C4#	6589	6785	В

790014F11#	6590	6786	В
790352F10#	6591	6787	В
790381H6#	6592	6788	В
790282G5#	6593	6789	В
790263C8#	6594	6790	В
890022B4#	6595	6791	В
790283C6#	6596	6792	В
790293B2#	6597	6793	В
790073A3#	6598	6794	В
790313E10#	6599	6795	В
790361D3#	6600	6796	В
790014A11#	6601	6797	В
790254G2#	6602	6798	В
790381C6#	6603	6799	В
790424E3#	6604	6800	В
790421G8#	6605	6801	В
790013C3#	6606	6802	В
790263E8#	6607	6803	В
790373C1#	6608	6804	В
790041C1#	6609	6805	В
790344A7#	6610	6806	В
790271D6#	6611	6807	В
790342H2#	6612	6808	В
890021A6#	6613	6809	В
790381E7#	6614	6810	С
790013G10#	6615	6811	С
790254A4#	6616	6812	С
790213D8#	6617	6813	С
790052A4#	6618	6814	С
790213D3#	6619	6815	С
790394D2#	6620	6816	С
790214D2#	6621	6817	С
790014A4#	6622	6818	С
790324H4#	6623	6819	C
790082B4#	6624	6820	C

790324A6#	6625	6821	С
790424A12#	6626	6822	С
790044G8#	6627	6823	С
790323C6#	6628	6824	С
790312G4#	6629	6825	С
790053C11#	6630	6826	С
890022B7#	6631	6827	С
790392A2#	6632	6828	- C
890023D8#	6633	6829	С
790301F1#	6634	6830	С
790343A11#	6635	6831	C
790421A2#	6636	6832	С
790271G2#	6637	6833	С
790302G12#	6638	6834	С
790341E5#	6639	6835	С
790283B6#	6640	6836	С
790222A4#	6641	6837	С
790241B8#	6642	6838	С
790014C2#	6643	6839	С
790402C1#	6644	6840	С
790264E9#	6645	6841	С
790242G4#	6646	6842	С
790422F3#	6647	6843	С

TABLE 7

SEQ ID	or.	5'position
6452	В	29372
6453	В	30198
6454	В	31007
6455	В	31126
6456	В	32735
6457	В	32264
6458	В	32898
6459	В	33582
6460	В	33519
6461	В	34836
6462	В	35795
6463	В	35548
6464	В	35825
6465	В	37239
6466	В	36761
6467	В	37045
6468	В	36761
6469	В	37958
6470	В	38636
6471	В	39813
6472	В	41140
6473	В	40575
6474	В	40526
6475	В	501495
6476	В	502410
6477	В	502586
6478	В	503233
6479	В	503749
6480	В	504488
6481	В	504206
6482	В	504310
6483	B	505455
6484	В	505877

SEQ ID	or.	5'position
6583	В	547718
6584	В	547184
6585	В	547684
6586	В	547342
6587	В	548946
6588	В	549071
6589	В	550054
6590	В	549989
6591	В	550426
6592	В	550055
6593	В	550132
6594	В	550132
6595	В	551400
6596	В	551572
6597	В	551468
6598	В	550849
6599	В	552137
6600	В	552325
6601	В	552583
6602	В	553033
6603	В	553629
6604	В	553960
6605	В	553914
6606	В	554354
6607	В	555783
6608	В	555687
6609	В	556441
6610	В	557054
6611	В	556627
6612	В	557292
6613	В	557050
6614	В	815995
6615	В	817104

SEQ ID	or.	5'position
6714	F	519646
6715	F	520201
6716	F	520563
6717	F	521015
6718	F	521162
6719	F	521543
6720	F	521739
6721	F	522328
6722	F	522567
6723	F	522915
6724	F	523300
6725	F	523791
6726	F	523959
6727	F	524369
6728	F	524801
6729	F	525085
6730	F	525241
6731	F	525738
6732	F	526263
6733	F	526628
6734	F	526779
6735	F	527004
6736	F	527230
6737	F	527381
6738	F	527545
6739	F	527691
6740	F	527932
6741	F	527995
6742	F	528167
6743	F	528610
6744	F	529063
6745	F	529710
6746	F	531140

6485	В	506655
6486	В	506513
6487	В	507532
6488	В	507742
6489	В	508050
6490	В	507771
6491	В	509120
6492	В	509646
6493	В	510137
6494	В	510953
6495	В	511165
6496	В	511526
6497	В	511993
6498	В	513012
6499	В	512983
6500	В	512781
6501	В	514155
6502	В	515036
6503	В	515287
6504	В	516292
6505	В	516234
6506	В	516337
6507	В	517347
6508	В	517005
6509	В	516888
6510	В	516234
6511	В	517560
6512	В	517337
6513	В	518756
6514	В	518943
6515	В	519833
6516	В	520123
6517	В	520574
6518	В	520888
6519	В	522154
<u> </u>	1	<u> </u>

	2 69			
6616	В	817104		
6617	В	816920		
6618	В	820464		
6619	В	821017		
6620	В	821379		
6621	В	821504		
6622	В	822723		
6623	В	823298		
6624	В	823380		
6625	В	824414		
6626	В	824204		
6627	В	825288		
6628	В	825346		
6629	В	825403		
6630	В	826237		
6631	В	824995		
6632	В	826838		
6633	В	828146		
6634	В	827878		
6635	В	827571		
6636	В	828472		
6637	В	828484		
6638	В	828691		
6639	В	829507		
6640	В	829169		
6641	В	828763		
6642	В	829769		
6643	В	831582		
6644	В	830481		
6645	В	831468		
6646	В	831670		
6647	В	832293		
6648	F	28484		
6649	F	29043		
6650	F	29656		

6747	F	531488
6748	F	531842
6749	F	532064
6750	F	532350
6751	F	532794
6752	F	533117
6753	F	533536
6754	F	533868
6755	F	534200
6756	F	534844
6757	F	535213
6758	F	535678
6759	F	535970
6760	F	536504
6761	F	537013
6762	F	537710
6763	F	538047
6764	F	538353
6765	F	538718
6766	F	539188
6767	F	539471
6768	F	539910
6769	F	540774
6770	F	540962
6771	F	541721
6772	F	542198
6773	F	542644
6774	F	543180
6775	F	543877
6776	F	544601
6777	F	544866
6778	F	545442
6779	F	545948
6780	F	546209
6781	F	546585
		L

6520	В	_	523041
6521	В	7	522052
6522	B	1	522217
6523	В	7	523035
6524	В	+	524995
6525	В	\dagger	523567
6526	В	1	523477
6527	В	7	523967
6528	В	1	525211
6529	В	\dagger	525215
6530	В	†	526133
6531	В	\dagger	525674
6532	В	Ť	526561
6533	В	T	526697
6534	В	T	526715
6535	В	T	526844
6536	В	T	527261
6537	В	T	527503
6538	В	T	528775
6539	В	T	528249
6540	В	T	530307
6541	В		527772
6542	В	Γ	529406
6543	В		527752
6544	В		529829
6545	В	Γ	529907
6546	В	Γ	529574
6547	В	Γ	529635
6548	В		530391
6549	В		531516
6550	В	Г	532154
6551	В		532606
6552	В		533407
6553	В		533664
6554	В		533916

	. 6651	F		30157
	6652	F		30712
	6653	F		31175
	6654	F		31658
	6655	F		31902
	6656	F		32638
	6657	F	1	33203
	6658	F		33804
	6659	F	7	34164
	6660	F	1	34426
	6661	F	1	35131
	6662	F	1	35675
	6663	F	1	36097
	6664	F	1	36641
	6665	F	1	36835
T	6666	F	1	37236
	6667	F	1	38287
	6668	F	1	38711
	6669	F	T	39117
	6670	F	1	39798
ſ	6671	F	T	500539
Γ	6672	F	T	501016
	6673	F	T	501319
	6674	F	Ť	501632
Γ	6675	F	T	502155
Γ	6676	F		502623
Γ	6677	F		503025
Γ	6678	F	T	503681
Γ	6679	F	T	504389
Γ	6680	F		504744
	6681	F	T	505468
	6682	F	T	505652
	6683	F	T	505822
	6684	F		505833
	6685	F	Г	506933

6782	F	546960
6783	·F	547114
6784	F	547726
6785	F	548045
6786	F	548480
6787	F	548561
6788	F	548775
6789	F	549037
6790	F	549153
6791	F	549597
6792	F	550049
6793	F	550520
6794	F	550890
6795	F	550997
6796	F	551040
6797	F	551247
6798	F	551854
6799	F	552333
6800	F	552603
6801	F	552823
6802	F	553207
6803	F	553898
6804	F	554298
6805	F	554767
6806	F	555323
6807	F	555595
6808	F	555965
6809	F	556248
6810	F	815116
6811	F	815376
6812	F	815849
6813	F	816098
6814	F	818726
6815	F	819337
6816	F	820080
1	1	

6555	В	534707
6556	В	533482
6557	В	534614
6558	В	534935
6559	В	536823
6560	В	535986
6561	В	536143
6562	В	537505
6563	В	537618
6564	В	538165
6565	В	538702
6566	В	540278
6567	В	539156
6568	В	539619
6569	В	540115
6570	В	540724
6571	В	541484
6572	В	540968
6573	В	542062
6574	В	541898
6575	B	543100
6576	В	543846
6577	В	543820
6578	В	544382
6579	В	545158
6580	В	545678
6581	В	545905
6582	В	546683
		

		211
6686	F	507220
6687	F	507559
6688	F	508216
6689	F	508619
6690	F	509329
6691	F	509783
6692	F	510383
6693	F	510729
6694	F	511188
6695	F	511773
6696	F	511869
6697	F	512946
6698	F	513202
6699	F	513821
6700	F	514322
6701	F	514811
6702	F	515101
6703	F	515611
6704	F	515911
6705	F	516123
6706	F	516169
6707	F	516215
6708	F	516305
6709	F	517240
6710	F	517993
6711	F	518174
6712	F	518756
6713	F	519133

6817	F	820750
6818	··F	821170
6819	F	821815
6820	F	822490
6821	F	822789
6822	F	823244
6823	F	823762
6824	F	823964
6825	F	824245
6826	F	824609
6827	F	824948
6828	F	825490
6829	F	826064
6830	F	826405
6831	F	826480
6832	F	827089
6833	F	827418
6834	F	827496
6835	F	827730
6836	F	828180
6837	F	828348
6838	F	828729
6839	F	830099
6840	F	830281
6841	F	830491
6842	F	830550
6843	F	830576

Publications Cited in the Specification

Adames et al., 1985, Nature, 318:533-538.

Aldous, M.B. et al., 1992, J. Infect. Dis., 166: 646-649.

5 Alexander et al., 1987, Mol. Cell. Biol., 7: 1436-1444.

Allan, G. M. et al., 1995, Vet. Microbiol., 44: 49-64.

Altschul, S.F. et al., 1990, J. Mol. Biol., 215: 403-410.

Altschul et al., 1993, Nature Genetics, 3: 266-272.

Altschul et al., 1997, Nucl. Acids Res., 25: 3389-3402.

10 Ansubel et al., 1989, Current Protocols in Molecular Biology,

Arlinghaus, H.F. et al., 1997, Anal. Biochem., 69, 18, 3747-53.

Bai, M. Et al., 1993, J. Virol., 67: 5198-5205.

Barany, F., 1911, PNAS. USA, 88: 189-193.

Beattie, K. et al., 1993, Clin. Chem., 39(4): 719-721.

15 Bernoist and Chambon, 1981, Nature, 290: 304-310.

Borman, S., 1996, Chem. Eng. News, 74(50): 42-43.

Braun, J. et al., 1994 Ann., Rheum Dis 53: 100-105.

Brinster et al., 1982, Nature, 296: 39-42.

Buckholz, R.G., 1993, Yeast systems for the expression of heterologous gene products. Curr. Op.

20 Biotechnology 4: 538-542.

Burg, J.L. et al., 1996, Mol. and Cell. Probes, 10:257-271.

Campbell, LA. et al., 1992 J. Clin. Microbiol. 30: 434-439.

Casas-Ciria J. et al., 1996

Chatelier, R.C. et al., 1995, Anal. Biochem., 229, 1, 112-118.

25 Chee, M. et al., 1996, Science, 274: 610-613.

Chu, B.C.F. et al., 1986, NAR, 14:5591-5603.

Chu, P.W.G. et al., 1993, Virus Research, 27: 161-171.

Clark, E.G., 1997, American Association of Swine Practitioners, 499-501.

Cole et al., 1985, in Monoclonal Antibodies and Cancer Therapy, Alan R. Liss, Inc.,

30 pp. 77-96.

Cote et al., 1983, PNAS USA, 80: 2026-2030.

Cserzo, M., Wallin, E., Simon, I. von Heijne G and Elofsson, A., 1997, Prot.

Eng., 10: 673-676.

DeBoer et al., 1980, Scientific American, 242: 74-94.

35 DeBoer et al., 1983, PNAS USA, 80: 21-25.

Derisi, J. et al., 1996, Nature Genet, 14: 457-460.

Distance Relationships: Atlas of Protein Sequence and Structure, Washington:

National Biomedical Reserach Foundation.

Duck, P. et al., 1990, Biotechniques, 9: 142-147.

Dulac, G.C. et al., 1989, Can. J. Vet. Res., 53: 431-433.

Edwards, C.P., and Aruffo, A., 1993, Current applications of COS cell based transient

expression systems. Curr. Op. Biotechnology 4: 558-563.

Edwards, S. et al., 1994, Vet. Rec., 134: 680-681.

Erlich, H.A., 1989, In PCR Technology. Principles and Applications for DNA Amplification. New York: Stockton Press.

Falsey, et al., J. Infect. Dis. 168:493-496.

10 Fanger and Drakeman, 1995, Drug News and Perspectives, 8: 133-137.

Felgner, et al., 1987, Proc. Natl. Acad. Sci., 84: 7413.

Fodor, S.P.A. et al., 1991, Science, 251: 767-771.

Fontes, E.P.B. et al., 1994, J. Biol. Chem., Vol. 269, No 11: 8459-8465.

Fox, G. Et al., 1989, J. Gen. Virol., 70: 625-637.

15 Fraley et al., 1980, J. Biol. Chem., 255: 10431.

Gardner et al., 1981, Nucl. Acids Res. 9: 2871

Gaydos, C.A. et al., 1994 J. Clin. Microbiol. 32: 903-905.

Grayston, J.T. et al., 1986 N. Engl. J. Med., 315:161-168.

Grayston, JT. et al., 1996 Rev., Med Interne 17, 45S-47S.

20 Gonnet et al., Science, 256: 1443-1445.

Green Publishing Associates and Wiley Interscience, N.Y.

Pearson and Lipman, 1988, PNAS USA, 85(8): 2444-2448.

Grosschedl et al., 1984, Cell, 38: 647-658.

Guateli, J.C. et al., 1990, PNAS. USA, 87: 1874-1878.

25 Hackland, A.F. et al., 1994, Arch. Virol., 139: 1-22.

Hahn, DL. Et al., 1991 JAMA. 266

Haidl, et al., 1992 N. Engl. J. Med. 326:576-577.

Haidl, et al., Chlamydial infections 1994

Hammer et al., 1987, Science, 235:53-58.

30 Hanahan, 1985, Nature, 315: 115-122.

Hanson, S.F. et al., 1995, Virology, 211: 1-9.

Harding, J.C., 1997, American Association of Swine Practitioners, 503.

Harding, R.M. et al., 1993, Journal of General Virology, 74: 323-328.

Hashiguchi, K. et al., 1992 J. Laryngol. Otol. 106: 208-210.

35 Hayashi, S. and Wu, H.C., 1992, in N.M. Hooper and A.J. Turner (ed.) Lipid Modification of Proteins: A Practical Approach. Oxford University Press, New York, pp. 261-285.

Heinkoff and Heinkoff, 1993, Proteins, 17: 49-61.

Herrera-Estrella et al., 1983, Nature, 303: 209-213.

Herrera-Estrella, 1984, Nature, 310: 115-120.

Heyraud-Nitschke, F. et al., 1995, Nucleic Acids Research, Vol. 23, Nº 6.

5 Higgins et al., 1996, Meth. Enzymol., 266: 383-402.

Horner, G.W., 1991, Surveillance 18(5): 23.

Houbenweyl, 1974, in Meuthode der Organischen Chemie, E. Wunsch Ed.,

Volume 15-I et 15-II, Thieme, Stuttgart.

Hueck, C.J., 1998, Molec. Biology Rev., 62: 379-433.

10 Huovinen, P. et al., 1989 Ann., Intern Med 110: 612-616.

Huse et al., 1989, Science, 246: 1275-1281.

Huygen, K. et al., 1996, Nature Medicine, 2(8): 893-898.

Innis, M.A. et al. 1990. in PCR Protocols. A guide to Methods and Applications.

San Diego: Academic Press.

15 Inoue et al., 1987, Nucl. Acids Res., 15: 6131-6148.

Inoue et al., 1987, FEBS Lett. 215: 327-330.

Jackson, LA. et al., 1997 Am., J. Pathol. 150.: 1785-1790.

Jantos et al., 1997, J. Clin. Microbiol., 35(3): 620-623.

Kabat E. Et al., 1983, Sequences of Proteins of Immunological Interest,

20 U.S. Dept. Of Health and Human Services.

Kaneda, et al., 1989, Science, 243: 375.

Kelsey et al., 1987, Genes and Devel., 1:161-171.

Kievitis, T. et al., 1991, J. Virol. Methods, 35: 273-286.

Kleemola, M. et al., 1988, J. Infect. Dis. 157: 230-236.

25 Kohler, G. et al., 1975, Nature, 256(5517): 495-497.

Kollias et al., 1986, Cell, 46: 89-94.

Kozbor et al., 1983, Immunol. Today, 4:72.

Krone, J.R. et al., 1997, Anal. Biochem., 244, 1, 124-132.

Krumlauf et al., 1985, Mol. Cell. Biol., 5: 1639-1648.

30 Kuo, CC. et al., 1988, J. Clin. Microbiol. 26: 812-815.

Kuo, CC. et al., 1993, J. Infect. Dis. 167: 841-849.

Kwoh, D.Y. et al., 1989, PNAS. USA, 86: 1173-1177.

Ladany, S. et. al., 1989, J. Clin. Microbiol. 27: 2778-2783.

Laitinen, K. et al., 1997. Chlamydia pneumoniae Infection Induces Inflammatory

Changes in the Aortas of Rabbits. Infect. Immun. 65:4832-4835.

Lazarowitz, S. G. et al., 1989, The EMBO Journal, Vol. 8 N° 4: 1023-1032.

Leder et al., 1986, Cell, 45: 485-495.

Lee, C.A., 1997, Trends Microbiol., 5: 148-156.

Leininger, E. et al., 1991, PNAS USA, 88: 345-349.

Lipshutz, R.J. et al., 1995, Biotechniques, 19(3): 442-447.

Liu, H. et al., 1997, J. Gen. Virol. 78(Pt6): 1265-1270.

5 Livache, T. et al., 1994, NAR, 22(15): 2915-2921.

Lockhart, D.J. et al., 1996, Nature Biotechnol., 14: 1675-1680.

Longbottom et al., 1998, Infect Immunol., 66: 1317-1324.

Luckow, V.A., 1993, Baculovirus systems for the expression of human gene products. Curr. Op. Biotechnology 4: 564-572.

10 Lukacova, M. Et al., 1994, Infect. Immunol. June, 62(6): 2270-2276.

MacDonald, 1987, Hepatology, 7: 425-515.

Mankertz, A. et al., 1997, J. Virol., 71: 2562-2566.

Mason et al., 1986, Science, 234: 1372-1378.

Matson, R.S. et al., 1994, Analytical Biochemistry, 217: 306-310.

15 Matthews, J.A. et al., 1988, Anal. Biochem., 169: 1-25.

McNeilly, F. et al., 1996, Vet. Immunol. Immunopathol., 49: 295-306.

Meehan, B.M. et al., 1997, J. Gen. Virol., 78: 221-227.

Mérel, P., 1994, De la PCR aux puces à ADN, Biofutur, 139:58.

Merrifield, R.D., 1966, J. Am. Chem. Soc., 88(21): 5051-5052.

20 Midoux, 1993, Nucleic Acids Research, 21:871-878.

Miele, E.A. et al., 1983, J. Mol. Biol., 171: 281-295.

Moazed, T.C. et al., 1997. Murine Model of Chlamydia pneumoniae Infection and Atherosclerosis. J. Infect. Dis. 175:883-890.

Mogram et al., 1985, Nature, 315: 338-340.

25 Mordhorst, C.H. et al., 1992 Eur., J. Clin. Microbiol. Infect Dis 11: 617-620.

Morrison et al., 1984, PNAS USA, 81:6851-6855.

Morrison, R.P. et al., 1995. Gene Knockout Mice Establish a Primary Protective Role for Major Histocompatibility Complex Class II-Restricted Responses in Chlamydia trachomatis. Infect. Immun. 63:4661-4668.

30 Murphy, F.A. et al., 1995, Sixth Report of the International Committee on Taxonomy of Viruses. Springer-Verlag Wien New York.

Nakai, K. and Kanehisa, M., 1991, Proteins, 11:95-110.

Nielsen, H. et al., 1997, Protein Engin., 10: 1-6.

Neuberger et al., 1984, Nature, 312: 604-608.

35 O'Donell-Maloney, M.J., 1996, Trends Biotechnol., 14: 401-407.

Ogawa, H. et al., 1992 J. Laryngol. Oto 106: 490-492.

Olins, P.O., and Lee, S.C., 1993, Recent advances in heterologous gene expression

in E. coli. Curr. Op. Biotechnology 4: 520-525.

Ornitz et al., 1986, Cold Spring Harbor Symp. Quant. Biol., 50: 399-409.

Pagano et al., 1967, J. Virol., 1:891.

Peterson, E.M. et al., 1998, Infect. Immunol. Aug., 66(8): 3848-3855.

5 Peterson, E. et al., 1988. Protective Role of Magnesium in the Neutralization by Antibodies of Chlamydia trachomatis Infectivity.

Pierschbacher and Ruoslahti, 1987, J. Biol. Chem., 262: 17294-17298.

Pinkert et al., 1987, Genes and Devel., 1: 268-276.

Pugsley, A.P., 1993, Microbiol. Rev., 57: 50-108.

10 Puolakkainen, M. et al., 1993 J. Clin. Microbiol. 31: 2212-2214.

Rank, R.G. et al., 1988. Susceptibility to reinfection after a primary chlamydial genital infection. Infect. Immun. 56:2243-2249.

Readhead et al., 1987, Cell, 48: 703-712.

Reeves, P.R. et al., 1996, in Bacterial Polysaccharide Synthesis and Gene

Nomenclature, Elsevier Science Ltd., pp. 10071-10078.

Roivainen, M. Et al., 1994, Virology, 203: 357-365.

Rolfs, A. et al., 1991, In PCR Topics. Usage of Polymerase Chain reaction in Genetic and Infectious Disease. Berlin: Springer-Verlag.

Salzberg et al., 1998, Nucl. Acids Res., 26: 544-548.

20 Sambrook, J. et al., 1989, In Molecular cloning: A Laboratory Manual. Cold Spring Harbor, NY: Cold Spring Harbor Laboratory Press.

Sanchez-Pescador, R., 1988, J. Clin. Microbiol., 26(10): 1934-1938.

Sani, 1985, Nature, 314: 283-286.

Sarver et al., 1990, Science, 247: 1222-1225.

Schachter, J. 1980. Chlamydiae, p.357-365. In E.H. Lennette (ed.), Manual of clinical microbiology, 3rd ed. American Society for Microbiology, Washington, D.C. Schneewind, O. Et al., 1995, Science, 268: 103-106.

Schwartz and Dayhoff, eds., 1978, Matrices for Detecting Karlin and Altschul, 1990, PNAS USA, 87: 2267-2268.

30 Segev D., 1992, in « Non-radioactive Labeling and Detection of Biomolecules ».
Kessler C. Springer Verlag, Berlin, New-York: 197-205.

Sheldon, E.L., 1993, Clin. Chem., 39(4): 718-719.

Shiver, J.W., 1995, in Vaccines 1995, eds Chanock, R.M. Brown, F. Ginsberg, H.S. & Norrby, E.), pp.95-98, Cold Spring Harbor Laboratory Press, Cold

35 Spring Harbor, New York.

Shoemaker, D.D. et al., 1996, Nature Genet, 14: 450-456.

Shor, A. et. al.., 1992 S. Afr. Med. J. 82: 158-161.

Sosnowsky et al., 1997, PNAS., 94, 1119-1123.

Struyve, M. et al., 1991, J. Mol. Biol., 218: 141-148.

Sundelof, et al., 1993 Scand. J. Infec. Dis. 25:259-261.

Sutcliffe, I.C. and Russell, R.R.B., 1995, J. Bacteriol. 177: 1123-1128.

5 Swift et al., 1984, Cell, 38: 639-646.

Takeda et al., 1985, Nature, 314: 452-454.

Tascon, R.E et al., 1996, Nature Medicine, 2(8): 888-892.

Thom, D.H. et al., 1990 Am. J. Epidemiol 132: 248-256.

Thomas, GN. et al., 1997 Scand., J. Infect. Dis. Suppl 104, 30-33.

10 Tischer, I. et al., 1982, Nature, 295: 64-66.

Tischer, I. et al., 1986, Arch. Virol., 91:271-276.

Tischer, I. et al., 1988, Zentralbl Bakteriol Mikrobiol Hyg [A] 270: 280-287.

Tischer, I. et al., 1995, Arch. Virol., 140: 737-743.

Tompson et al., 1994, Nucl. Acids Res., 22(2): 4673-4680.

15 Urdea, M.S., 1988, Nucleic Acids Research, 11: 4937-4957.

Villa-Kamaroff et al., 1978, PNAS USA, 75: 3727-3731.

Wagner et al., 1981, PNAS USA, 78: 1441-1445.

Walker, G.T. et al., 1992, NAR 20: 1691-1696.

Walker, G.T. et al., 1992, PNAS. USA, 89: 392-396.

20 White, B.A. et al., 1997, Methods in Molecular Biology, 67, Humana Press, Towota.

Yamamoto et al., 1980, Cell, 22: 787-797.

Yershov, G, et al., 1996, PNAS., USA, 93: 4913-4918.

WHAT IS CLAIMED IS:

	1- An isolated polynucle genome, comprising	eotide having a nucleotide sequence of a Chlamydia pneumoniae
5	(a)	the a nucleotide sequence of SEQ ID No. 1;
	(b)	the nucleotide sequence contained within the Chlamydia
	(c)	pneumoniae genomic DNA in ATCC Deposit No; the nucleotide sequence contained in a clone insert in ATCC Deposit No;
10	(d)	a nucleotide sequence exhibiting at least 99.9% identity with the sequence of SEQ ID No. 1; or
	(e)	a nucleotide sequence exhibiting at least 80% homology to SEQ ID No. 1.
15	pneumoniae genomic DN	eotide which hybridizes to SEQ ID No. 1 or to the <i>Chlamydia</i> A contained in ATCC deposit No or to a clone insert in under conditions of high stringency.
20	3- An isolated polynucle pneumoniae genomic DN intermediate stringency.	otide which hybridizes to SEQ ID No. 1 or to the <i>Chlamydia</i> IA contained in ATCC deposit No under conditions of
	4- An isolated polynucleo of a Chlamydia pneumonid	tide having a nucleotide sequence of an open reading frame (ORF)
25	(a)	a nucleotide sequence chosen from one of ORF2 to ORF 1297;
	(b)	a nucleotide sequence exhibiting at least 99.9% identity with one of ORF2 to ORF 1297; or
	(c)	a nucleotide sequence exhibiting at least 80% homology to one of ORF2 to ORF 1297.
30		
	5- An isolated polynucle conditions of high stringen	eotide which hybridizes to one of ORF2 to ORF 1297 under cy.
35	6- An isolated polynucle conditions of intermediate	eotide which hybridizes to one of ORF2 to ORF 1297 under stringency.
	7- The polynucleotide of C fragments thereof:	Claims 2, 3, 4, 5, or 6 which encodes the following polypeptides or
40	(a)	a Chlamydia pneumoniae transmembrane polypeptide having between 1 and 3 transmembrane domains;

a Chlamydia pneumoniae transmembrane polypeptide having (b) between 4 and 6 transmembrane domains; (c) a Chlamydia pneumoniae transmembrane polypeptide having at least 7 transmembrane domains: 5 (d) a Chlamydia pneumoniae polypeptide involved in intermediate metabolism of sugars and/or cofactors; a Chlamydia pneumoniae polypeptide involved in intermediate (e) metabolism of nucleotides or nucleic acids; a Chlamydia pneumoniae polypeptide involved in metabolism (f) 10 of amino acids or polypeptides; (g) a Chlamydia pneumoniae polypeptide having involved in metabolism of fatty acids; (h) a Chlamydia pneumoniae polypeptide involved in the synthesis of the cell wall: 15 (i) a Chlamydia pneumoniae polypeptide involved in transcription, translation, and/or maturation process; (j) a Chlamydia pneumoniae transport polypeptide; (k) a Chlamydia pneumoniae polypeptide involved in the virulence process; 20 (1) a Chlamydia pneumoniae polypeptide involved in the secretory system and/or which is secreted; (m) a Chlamydia pneumoniae polypeptide of the cellular envelope or outer cellular envelope of Chlamydia pneumoniae. (n) a Chlamydia pneumoniae surface exposed polypeptide; 25 a Chlamydia pneumoniae lipoprotein; (o) (p) Chlamydia pneumoniae polypeptide involved in lipopolysaccharide biosynthesis; a Chlamydia pneumoniae KDO-related polypeptide; (q) (r) Chlamydia pneumoniae phosphomannomutase-related 30 polypeptide; (s) Chlamydia pneumoniae lipid component-related polypeptide; (t) Chlamydia pneumoniae phosphoglucomutase-related polypeptide; 35 a Chlamydia pneumoniae polypeptide that contains an RGD (u) sequence: a Chlamydia pneumoniae Type III secreted polypeptide; (v) Chlamydia pneumoniae cell wall anchored surface

(w)

polypeptide; or

25

- (x) a Chlamydia pneumoniae polypeptide that is not found in Chlamydia trachomatis.
- 8- A polynucleotide encoding a fusion protein, comprising one of ORF2 to ORF1297 of
 5 Claim 4, 5, or 6 ligated in frame to a polynucleotide encoding a heterologous polypeptide.
 - 9- A recombinant vector that contains the polynucleotide of Claim 1, 2, 3, 4, 5 or 6.
 - 10- A recombinant vector that contains the polynucleotide of Claim 8.

11- A recombinant vector that contains the polynucleotide of Claim 4, 5 or 6, operatively associated with a regulatory sequence that controls gene expression.

- 12- A recombinant vector that contains the polynucleotide of Claim 8 operatively associated
 15 with a regulatory sequence that controls gene expression.
 - 13- A genetically engineered host cell that contains the polynucleotide of Claim 1, 2, 3, 4, 5 or 6.
- 20 14- A genetically engineered host cell that contains the polynucleotide of Claim 8.
 - 15- A genetically engineered host cell that contains the polynucleotide of Claim 4, 5 or 6 operatively associated with a regulatory sequence that controls gene expression in the host cell.
 - 16- A genetically engineered host cell that contains the polynucleotide of Claim 8 operatively associated with a regulatory sequence that controls gene expression in the host cell.
 - 17- A method for producing a polypeptide, comprising:
- (a) culturing the genetically engineered host cell of Claim 15 under conditions suitable to produce the polypeptide encoded by the polynucleotide; and
 - (b) recovering the polypeptide from the culture.
- 35 18- A method for producing a fusion protein, comprising:
 - (a) culturing the genetically engineered host cell of Claim 16 under conditions suitable to produce the fusion protein encoded by the polynucleotide; and
 - (b) recovering the fusion protein from the culture.

- 19- A polypeptide encoded by the polynucleotide of Claim 4, 5 or 6.
- 20- The polypeptide of Claim 19 which immunoreacts with seropositive serum of an individual infected with *Chlamydia pneumoniae*.
 - 21- The polypeptide of Claim 19 which comprises the following polypeptides or fragments thereof:
 - (a) a Chlamydia pneumoniae transmembrane polypeptide having between 1 and 3 transmembrane domains;
 - (b) a Chlamydia pneumoniae transmembrane polypeptide having between 4 and 6 transmembrane domains;
 - (c) a *Chlamydia pneumoniae* transmembrane polypeptide having at least 7 transmembrane domains;
 - (d) a Chlamydia pneumoniae polypeptide involved in intermediate metabolism of sugars and/or cofactors;
 - (e) a Chlamydia pneumoniae polypeptide involved in intermediate metabolism of nucleotides or nucleic acids;
 - a Chlamydia pneumoniae polypeptide involved in metabolism of amino acids or polypeptides;
 - (g) a Chlamydia pneumoniae polypeptide involved in metabolism of fatty acids;
 - (h) a Chlamydia pneumoniae polypeptide involved in the synthesis of the cell wall;
 - (i) a Chlamydia pneumoniae polypeptide involved in transcription, translation, and/or maturation process:
 - (j) a Chlamydia pneumoniae transport polypeptide;
 - (k) a Chlamydia pneumoniae polypeptide involved in the virulence process;
 - (l) a Chlamydia pneumoniae polypeptide involved in the secretory system and/or which is secreted;
 - (m) a Chlamydia pneumoniae polypeptide of the cellular envelope or outer cellular envelope of Chlamydia pneumoniae.
 - (n) a Chlamydia pneumoniae surface exposed polypeptide;
 - (o) a Chlamydia pneumoniae lipoprotein;
 - (p) a *Chlamydia pneumoniae* polypeptide involved in lipopolysaccharide biosynthesis;
 - (q) a Chlamydia pneumoniae KDO-related polypeptide;

15

20

25

30

- **(r)** . ·a Chlamydia pneumoniae phosphomannomutase-related polypeptide; (s) Chlamydia pneumoniae phosphoglucomutase-related polypeptide; 5 (t) Chlamydia pneumoniae lipid component-related polypeptide; a Chlamydia pneumoniae polypeptide that contains an RGD (u) sequence; a Chlamydia pneumoniae Type III secreted polypeptide; (v) 10 a Chlamydia pneumoniae cell wall anchored surface (w) polypeptide; or a Chlamydia pneumoniae polypeptide that is not found in (x)
- 15 22- A fusion protein encoded by the polynucleotide of Claim 8.
 - 23- The fusion protein of Claim 22 which immunoreacts with seropositive serum of an individual infected with *Chlamydia pneumoniae*.

Chlamydia trachomatis.

- 20 24- An antibody that immunospecifically binds to the polypeptide of Claim 19.
 - 25- An antibody that immunospecifically binds to the fusion protein of Claim 22.
- 26- A method for the detection and/or identification of *Chlamydia pneumoniae* in a biological sample, comprising:
 - (a) contacting the sample with a polynucleotide primer of Claim 1,
 2, 3, 4, 5, or 6 in the presence of a polymerase enzyme and nucleotides under conditions which permit primer extension;
 and
 - (b) detecting the presence of primer extension products in the sample in which the detection of primer extension products indicates the presence of *Chlamydia pneumoniae* in the sample.
- 27- A method for the detection and/or identification of *Chlamydia pneumoniae* in a biological sample, comprising:
 - (a) contacting the sample with a polynucleotide probe of Claim 1,
 2, 3, 4, 5, or 6 under conditions which permit hybridization of complementary base pairs; and

15

20

- (b) detecting the presence of hybridization complexes in the sample in which the detection of hybridization complexes indicates the presence of *Chlamydia pneumoniae* in the sample.
- 5 28- A method for the detection and/or identification of *Chlamydia pneumoniae* in a biological sample, comprising:
 - (a) contacting the sample with the antibody of Claim 24 under conditions suitable for the formation of immune complexes; and
 - (b) detecting the presence of immune complexes in the sample, in which the detection of immune complexes indicates the presence of *Chlamydia pneumoniae* in the sample.
 - 29- A method for the detection and/or identification of antibodies to *Chlamydia pneumoniae* in a biological sample, comprising:
 - (a) contacting the sample with a polypeptide of Claim 19 under conditions suitable for the formation of immune complexes; and
 - (b) detecting the presence of immune complexes in the sample, in which the detection of immune complexes indicates the presence of *Chlamydia pneumoniae* in the sample.
- 30- A DNA chip containing an array of polynucleotides comprising at least one of the polynucleotides of Claim 1, 2, 3, 4, 5, or 6.
- 31- A protein chip containing an array of polypeptides comprising at least one of the polypeptides of Claim 19.
 - 32- An immunogenic composition comprising the polypeptide of Claim 19 and a pharmaceutically acceptable carrier.
- 30 33- An immunogeneic composition comprising the polypeptide of Claim 20 and a pharmaceutically acceptable carrier.
 - 34- An immunogenic composition comprising the fusion protein of Claim 22 and a pharmaceutically acceptable carrier.
 - 35- An immunogenic composition comprising the fusion protein of Claim 23 and a pharmaceutically acceptable carrier.

- 36- A pharmaceutical composition comprising the polypeptide of Claim 19 and a pharmaceutically acceptable carrier.
- 37- A pharmaceutical composition comprising the polypeptide of Claim 20 and a 5 pharmaceutically acceptable carrier.
 - 38- A pharmaceutical composition comprising the polypeptide of Claim 22 and a pharmaceutically acceptable carrier.
- 10 39- A pharmaceutical composition comprising the polypeptide of Claim 23 and a pharmaceutically acceptable carrier.
 - 40- A method of immunizing against *Chlamydia pneumoniae*, comprising: administering to a host an immunizing amount of the immunogenic composition of Claim 32.
 - 41- A method of immunizing against *Chlamydia pneumoniae*, comprising: administering to a host an immunizing amount of the immunogenic composition of Claim 33.
- 42- A method of immunizing against *Chlamydia pneumoniae*, comprising administering to a host an immunizing amount of the immunogenic composition of Claim 34.
 - 43- A method of immunizing against *Chlamydia pneumoniae*, comprising: administering to a host an immunizing amount of the immunogenic composition of Claim 35.
- 25 44- A DNA immunogenic composition comprising the expression vector of Claim 11.
 - 45- The DNA composition of Claim 44, wherein the DNA composition directs the expression of a neutralizing epitope of *Chlamydia pneumoniae*.
- 30 46- A DNA immunogenic composition comprising the expression vector of Claim 12.
 - 47- The DNA composition of Claim 46, wherein the DNA composition directs the expression of a neutralizing epitope of *Chlamydia pneumoniae*.
- 35 48- A screening assay, comprising:
 - (a) contacting a test compound with an isolated polynucleotide of Claim 1, 2, 3, 4, 5 or 6; and
 - (b) detecting whether binding occurs.

WO 99/27105 PCT/IB98/01890

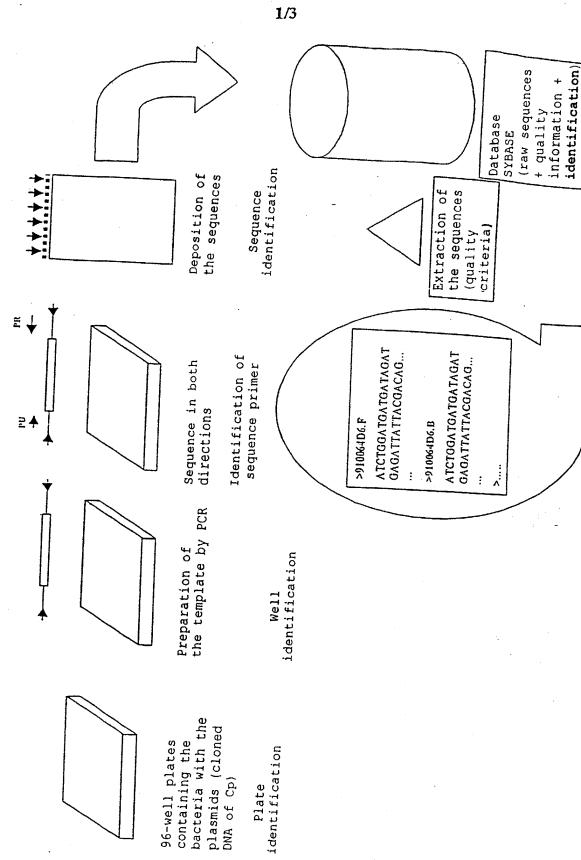
285

- 49- A screening assay, comprising:
 - (a) contacting a test compound with the polypeptide of Claim19; and
 - (b) detecting whether binding occurs.

50- A screening assay, comprising:

- (a) contacting a test compound with the polypeptide of Claim 22; and
- (b) detecting whether binding occurs.
- 10 51- A kit comprising a container containing an isolated polynucleotide of Claim 1, 2, 3, 4, 5 or 6.
 - 52- The kit of Claim 51 wherein the polynucleotide is a primer or a probe.
- 15 53- The kit of Claim 51 wherein the polynucleotide is a primer and the kit further comprises a container containing a polymerase.
 - 54- The kit of Claim 51 which further comprises a container containing deoxynucleotide triphosphates.

- 55- A kit comprising a container containing an antibody that immunospecifically binds to the polypeptide of Claim 19.
- 56- A kit comprising a container containing an antibody that immunospecifically binds to the fusion protein of Claim 22.



Plate

Figure 1.

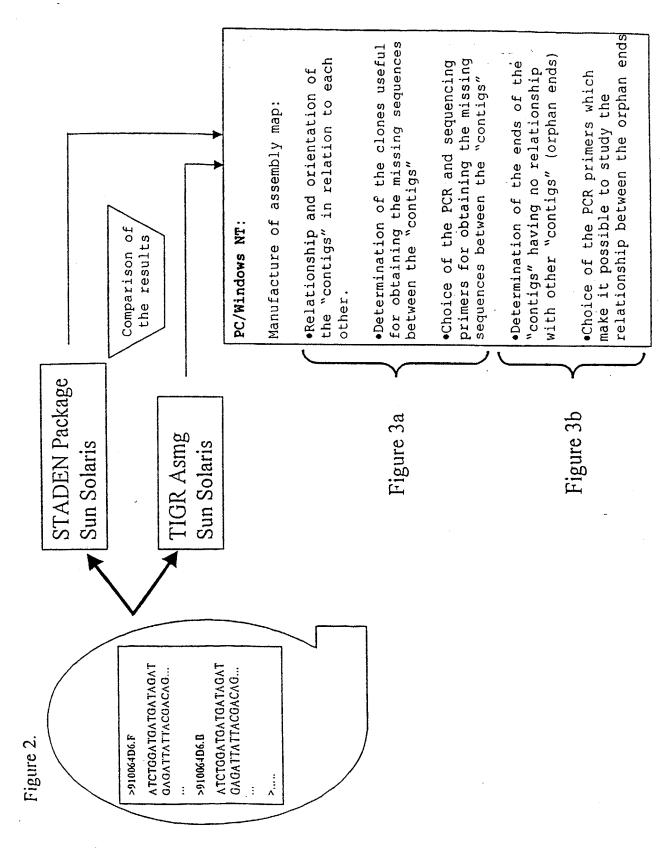
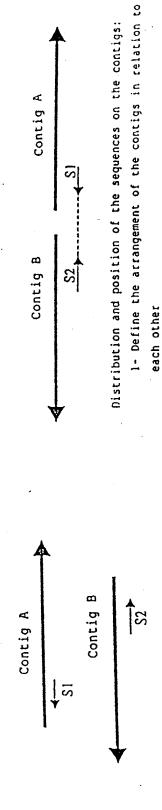


FIGURE 3A



2- Define the PCR primers which make it possible to fill the sequence

Statistical determination of the sequences:

1- Belonging to the same clone

2- Situated on two different contigs

FIGURE 3B

Contig A Contig B Z Î Cp18 Cb Contig D Contly ends without connecting clone: Contig C S4

2- Determination of outer and inner PCR 1- Identification of the ends

primers for studying the relationships

E: outer primers

between the contigs

I: inner primers

<110>Genset SA

SEQUENCE LISTING

<120>Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection <151>1997-11-21 <160>6849 <210>1 <211>1230025 <212>DNA <213>Chlamydia pneumoniae <400>1 atagaaaact attaaaaaat cattgattct gtcgggaaag tatgcggata aaattcagag 60 agaataagga gaggaagatg acaaggcaga gttatgtttt gggcaattgg aaaatgcaca 120 aaacaatcca agaagctaaa gagtatgttc aaacattagc ttctntacta caaggagaac 180 ctctttcctg cactataggc atagcttctc catttacctc tttgagagcg attcatgaga 240 tgataaacac tacgggaget tttctctggt tgggagcaca aaatgtccat cccgagettt 300 cgggtgcttt tactggagaa atttccttac ctatgcttaa ggaggtagga gtggaatttg 360 ttttagtagg tcactccgag cgtcgtcata tttttggaga gagtgatgcc tttattgctt 420 caaaggtaaa gtctgtagct caggcgggac tcgtgcctgt tctttgtgtt ggagagagct 480 tagaagttcg tgaagaggga aaggcgcatc aggtaatcaa aaaacagttg cttttgggat 540 tggaacagat ggataatggt tccgaatttt tgatcgccta tgaaccagta tgggctatcg 600 gcacagggaa ggtggcagaa gcttcggatg tgcaagatat tcatatgttt tgtcgtgagg 660 tagtggcaga gaggttctca gaagctacag ctgaagagat ttcgattttg tacggaggat 720 ctgtgaaggt cgataatgct cagcgatttg ggcaatgtag cgacgtcgat ggtcttttag 780 ttggcggant tetttagang ggcaaagttt ttttgaagte getaaaaatt ttaatgtata 840 atttgtgaga gttatgagat ttttttgtct atttttctt gggttcctag gatcttttca 900 ttgtgttgct gaagacaagg gcgtggattt atttggagtc tgggacgata accaaattac 960 agagtgtgac gatagttaca tgacagaggg tcgtgaagag gttgaaaagg tagtggacgc 1020 ttagtccatc ggcttttatt tatattctcc ctaaggaagt cctgtattga agatcgcttt 1080 ctcatagata gaagtaattt tcagatagtc aataattggt ttttttaaga gaatgctagg 1140 caggtgctcg tgtttgggca tttgattaag tctacatgaa tctggaggga gagattcttc 1200 tggtattgag aagtagaaca aaaaacaagg atcagacgtt ctccgatgtc ttcctaatcg 1260 atgtctttaa ataaggagat tggcatgaca gtgttgtttt acgcattttt attcattttc 1320 ctttttctat gtgtaattct ttgtggctta atcctggttc aagagagtaa gagcatgggg 1380 ttaggttctt cgttcggcgt ggattctgga gattctgtct ttggtgtctc tactccagat 1440 attttgaaaa aagtgacttc atngtgtgct gttgctttct gcataggttg tttactactt 1500 tcattttcca cgaatctctt ggggaaaaag ttagatgcta aagaatttct attgcctgct 1560 gctgaggaga gcgacactca agcttcttct gagagcgttg aagcagatga atcctagcct 1620 atttgcggaa ttaggtgttg tctagattga agtgcaataa agctagcaag tttttatctt 1680 catacgagat atgagtgtac ggtcggataa gagtagaaat ctttcttttg ttcctatggt 1740 taagaagtcc tttggcttcc ttaaagagta tgactcttat caacccaaga aatgttttag 1800 atccaagtgc ttgtcgtacg agatttcttc acagagetct gccaageeca tgttcagact 1860 atgattagac gtttagaata ttacggcagt cctattttaa ggaaaaagtc ttccccaatt 1920 gcagagatca cagatgagat tcgtaatctc gtgagtgata tgtgtgatac tatggaagca 1980 catcgtggtg tcggtttagc cgctcctcag gtagggaaaa acgtcagttt atttgtcatg 2040 tgtgtagata gagagactga ggatggagag ttgattttct ctgagtctcc gagggtattt 2100 atcaatcctg ttctatcaga tccttctgaa accccgatca taggtaaaga aggatgtctt 2160 tctattcctg gattgcgagg agaagtattc cgccctcaga aaatcacagt gaccgctatg 2220 gatctcaatg gtaaaatatt tactgagcac ttggaaggat tcactgcacg tatcattatg 2280 cacgagactg accatctgaa tggagttctc tatattgatc ttatggaaga acccaaagat 2340 cctaaaaaat ttaaagcctc tttagagaag atcaaacgtc gctacaatac acacttgagt 2400 aaagaagaac tagtttctta attgctcttc agtctgatgt aggtgatatt ttcttgtctc 2460 ttgcgtcaca tttgttgtca gctttgctta tttccccgaa caaatttcgt caaaggtttt 2520 aaaatgtgtc ttgctgattt ttgctaagag ctctttccct cgttgcttag cgatctctct 2580 tectgetget ttgacattga atccagcace tttaggaage tgtacttgat attgttette 2640 caacttctgt atcgactgta caaatgcatc tctagccaat atagaagctg ctgctacgac 2700 tacatcttgt tetgeacgtg gettttgtat taaagtaata teggtttett tttttgaag 2760 tgctttgagt agggtgtatt ctgaagctgc aaactgatct gaaatagcaa agacatctcc 2820 tgcaggtttg ggtgctaagt tgttgataac agtagcgtgg gcccaagcaa gaagtgtatt 2880 taaattctgg aatttcccat atagctcgtt atatttttct gggtatagaa tgatgacatc 2940 gcagacacat agtgagcgta tgatacgtgc taaagaagcg attttcgtgt ctttgagatt 3000 tttagagtct tggactttat tctcatagag tttttttaag atctctgcat tcgatgcata 3060 gactgeegea atacataaag ggeeaaaaaa ateacettte cetgatteat egacteecaa 3120

ccttggacga aggtcttgct ctacccttgc atgggtgaag gtatgaagga tttctggttc taagaaaaat totatgaatt cotcacttoo tttacottgg attacgagtt tocoggaggg 3180 gtatagagtg caggtaacag tgttagagcg agcttgaaat acggtattct gtggctgaga 3240 aaagataaaa ttttttctt ttagctgatc tcttaaattg ttttgagcag aagttgttaa 3300 agtaacaaca aatggtggcg gcatgcagga catctaccta taaattatag aaaaaattta 3360 gaacgattga attcctagtc ctaggaatcc aggatgcaaa gtgctcatac tttttatttt 3420 tgcctactat atcgtatagt tatgacaact tccaagtaca aattaaacaa caattttgta 3480 tatttctgca aataactgcg gggagccaaa gatacaagag tgtaagatgt ctagtatttt 3540 acattettaa ggttttgaga aacaetatat aggtaateat geaagaacae ataeataaag 3600 aattgctaca tctaggtgaa atctttcgct catcacgaga gtctcaatcc ctatcgttaa 3660 aggatgtaga ggctgcaacc tcgatacgat atagttgttt agaagctatt gaacaggggt 3720 gtttaggaaa attgatttct ccagtttatg ctcagggatt tattaagaaa tacgctacgt 3780 atcttgggtt ggatggagat agtatcttac aagaacatcc ttatgtcatg aaaattttta 3840 aagagttttc agatcataat atggagatgc ttttagacct tgaatcgatg ggaggaagga 3900 atteteegga aagageaatt cattettggt egaatetttg gtgggeaggg etgateatta 3960 taggtggcat catggtgtgg tggctcggat cgttgttttc tattttttaa cttaaggtct 4020 gttggtctct atttagacca acagatagga tggagtactt cttaccctaa tttgaatagt 4080 tgtgagactt tctgagcccc ttgcaaaagt tgtctttgat tttcaggaga ccagggatct 4140 tratecetae ceteateate etcaggacet aagggetete etaaaceate aetteetgtt 4200 gtactatcac agecateggt teggtetett etetgttggg agetteetee aacacegaag 4260 gcactggcat ggaatgccaa atcctccgcc tgtcacaata ccatctcttt ctatttcgtc 4320 gtcatcccac gggtcaggag gtggtggagc ttgtctagga gcttcgcctt gggtttgtct 4380 ccaaatgttc tetecagetg tggtggtgac taatacettt etaagaatte tttgecaagg 4440 accttggact ctagggtcaa gaacagtttg ctctggatgt agaggatcta aaggaagata 4500 tccttttgaa agaaggcata gaaggacaag gacttcaaat acctgagatt ctaaactcaa 4560 accaatacca ggacctaaga aagtcgcaag atcactggca acaagtcttt ttagtgattt 4620 ttttattaag tccacaattt gtttagcagc ttgtcctaaa ggacccttgt aaccggattc 4680 taageteaaa aeetetaaee tggataattt ttgtaataaa gteetaaaat tgagtttgea 4740 tgtaacacgg cattettgag cggggtgett ettttgttga ggagetggeg egecteetae 4800 agcaccttgt agctgttctt cgtctgttgg aggtggggga cagggttgct gttctggttg 4860 tagaatccaa caagtaggag gattgtcaga tgaagttaca aaggaaagag ccccctctga 4920 aacagettga agtatgagae tecatggtgg tgtetgttge atgtettege etaageegtt 4980 gttttgtaaa agcttgacta gagattcacc catgcatctt ggttgagctg cttttagtag 5040 ttcccgatgt agcttgcaac cattttcaac ctcctgttta tccccgtcac ccaacggttc 5100 accttgctca atcttctgtg tacagtgcgg tagctgttgg aaagacatac caacacaaat 5160 aggtccgtat tgctgtataa gttgttgtag aaattgtgct gagggattat caggatcatc 5220 cacggtetet aageageatg egeaacatee teeccatate cattgtaaga aaceaggaca 5280 atgetetetg caccagggag teceggttet ataacaataa tgteetagae gttgeattet 5340 agcactatct aagagattat taagtaacga gcctgcttgt tctaccatac ctagcacatt 5400 gtctgatccg agcgagatac ccatttcacg acctccagtc ccaggctgtt gtgtaattac 5460 acgtccacct tgagagccag attggcctcc ttcttgcagt ggaatatctt ctcctccggg 5520 atttggtggg ggcgtttcgc gataataaca attacaattt ccacatggaa atgtcatgag 5580 gcttctcctt tagtgaggtt gagttgtatg gatttttata attacgagtt cttctagaaa 5640 ggaattatag aatgttcaga tagagtattt taaagcgggt tatttcttat tggatgatta 5700 agaaaaatag gaaatettga ttatgttttt ttgtegagat taettttaga gaaagagttt 5760 aaagtgateg egggttatta gteaatttat tttttaattt aacatagate etetettaag 5820 tttccttgtt gtgatgggat aaatatttgg ggaagaaatg ccgcaaaatt ttttctaagt 5880 tctcaaactt ttcaagaaaa catagattct tggatagaac aaaagcttcg cggcaaaaaa 5940 taggaatett attetttgtt tatttttate eetaaaaata gagtttgtaa atgaceegag 6000 cattcaagga tacgctgttg atacgccaaa ttcccatcct catcatcatc ttcattttca 6060 tettettett egagaettga catgagaggg acagattetg caggggtagg acaatcaaga 6120 ctttcctgtc ttactaatga gggtttcttt tttaaaaacg atgctgaagt tttccctgtt 6180 ctatagetgt attgtagteg atagaagatg gtcataateg gateatetat catgtgtata 6240 tctacgacag atgtctcatc ggtatttgca gggcaatagc caatcgctaa catcaataaa 6300 acgacgatat cacgaaaatt tgggcacgta taacatattt ctccacctgt gtgctttaga 6360 atagaagatg tgctttgtga tgcagataag agaaagctat tcagcatttt cacaatcagg 6420 agaccaaaag gacctaaagc tgaaaaatct cctgttttta gattggtgac ttggattttt 6480 cctaattgte tggccatgce attgtcattg tatttttttg ctacgtactg gggctctgca 6540 ccgactgaag atgggcgtcg cgcatctctt gatccacagg ataggcgtga cgtcgttaag 6600 gggctcgtat ttaagatata gcacgcagga atgcgtgtag aattagaagc agaagatgtt 6660 cetgaggett cetetgatte tatagttttt teccaagace ttgtagcaat aaagettage 6720 acggettgga ctagtgaate gtetagaeeg egttetetaa tgetgttgae teetteaagg 6780 aaaaagtttt gagaaaggct ctgcatcgtt ccatagagct gggttttagc ttccgagcaa 6840 tgctgtctaa attcattttt ctgttcttca gacaaaatag tgtttttttc tacaagttcc 6900 6960

						•
attaagttga	ggcccatagt	tttagcagct	aaagcaacgg	caataggacc	atgggtctgt	7020
tcgcattcat	ggacaagtcc	agcaacctga	ttatcctctc	tgtctaagca	acacgettta	7080
tacgttccac	aaatgagtct	tccaaaagat	ccgcaacgct	gaccacatcc	agttgcgtaa	7140
ctgtcataac	aatactctqt	acatecttee	gttcgtctat	gtgatagaat	ggagtctacc	7200
aatteteeta	cttcttqqat	catototatt	gtactttcat	cacattgaga	agtattaaat	7260
tacacacact	tototoggat	tataatta	gtactttat	tactitigage	agtattaaat	
Lygacacycc	CCCCCacccc	cycaatttta	gtaggttgcg	tagttatagg	agcagctcct	7320
ccactcgaac	cagettette	gcttatatct	gaagccgatt	gccgcgttgt	ttcttctgtt	7 380
gttgttactt	caacccattc	gcagttgaaa	tttccacaca	ttctgaacca	agaattattt	7440
gggcaaacca	tagtcgtacc	tttttaatat	tt agatttat	ttaggtttta	gagagttgaa	7500
			gtatgctctg			7560
aatgggaaac	gaagggatcc	cagtgtctat	agcacagtag	anthagracta	29C05C023	7620
ttaatttaaa	gaagggacco	ttactascas	ageacageag	agegaggeea	aacyccaaaa	
			gaggggaga			7680
			aattttaaat			7740
			ga agtctata			7800
tacggaattt	aaaaaattac	ttgataatga	tgtggagtcg	tagaagtgca	aactcactag	7860
aaatttcctg	aatttgagaa	ggagtttaaa	ataggtattc	ttgaaaagat	caatgcacgt	7920
			gaaggagttt			7980
ttttcattat	taatgacaaa	aactctctaa	gaacatcgtg	tcaaccattt	ttattattat	8040
			tgcaaattgg			8100
			cgtagtcatc			8160
gtttttcaat	tctgcagacg	cagcaccaaa	gaaaaagaag	atccctatac	agattctcta	8220
ctcctttact	aaagtctctt	cctatttaaa	aaacgaagac	gcaagtacta	tattttgcgt	8280
cgatgtggat	cgtggacttc	tccagcatcg	gtatttaggt	agtccaggat	ggcaggaaac	8340
			aaatcaatca			8400
			gaacaaagag			8460
			ctcggccttg			8520
			tagtttgctt			8580
aaaacgctct	atagcatcgg	agagetteet	tttaaagatc	gatagtgccc	cctcagatgc	8640
ctctgttttt	tataaaggcg	tgcttttccg	cggagagact	gcgatcgtgg	atgcgttaag	8700
ccaattattt	gcccagctcg	atctttctcc	taaaaaaatt	atctttctag	gagaagaccc	8760
			tataggttgg			8820
			ttcttatgtt			8880
i i						
			aatttcagat			8940
			tgttagaaca			9000
					taggttttag	9060
tgagattttt	ggtaaatatg	aaaatatttt	cttaaaaaga	tcatgaaaca	gtcatacttt	9120
tgcattgaag	gatctttatg	agacgttatc	ttttcatggt	tctagcttta	tgcctatata	9180
			aaattactga			9240
			atattgaaga			9300
						9360
			atagagagct			
					tttcttgtcg	9420
attatgaatt	ggtgagcgcg	aacttaagga	atgtactcac	aggcttatct	ttgaaacgat	9480
cttgggtact	cgggatttct	caaagacctg	tgcatttgat	aaaaaatact	cttcgcattc	9540
tgcgttcttt	caacatagac	ttcacctcgt	gtccagctat	ttgtgaagat	ggttggctct	9600
ctcatcctac	aaaggacaca	acattcgatc	aggccatggc	tatagaaaaa	aacattttgt	9660
					cttctctctg	9720
					cgtttgcgtt	9780
						9840
					tacaccccag	
			aacttactgc			9900
			ccctcttgag			9960
agtgtcagca	aatcgatgtg	ggaatggtat	cctgtggatg	gcatagacac	gcaaggcgtt	10020
ttttatgccg	tttttagatc	cttgtaggtg	cagaaaaact	aaaaagatcg	gaagagaagg	10080
					cattcgacca	10140
ctctcccact	cttccctaat	acttcaataa	tttagagaat	ctacactcac	attgtctaca	10200
					agaagatggc	10260
					atctaggcag	10320
					gaatgatgag	10380
agtggcagcc	tcctgaagag	cagctgtctc	cgtgtgaatg	acgggacttc	ttgctgcaga	10440
					taggtaattt	10500
					ttattgtgag	10560
					gataatcctc	10620
					tcatctttta	10680
		- '	_		aagtctctca	10740
arcrearrag	ctttttgaat	acaaaggttt	aagttgttca	agaagttttt	gaactgtaaa	10800

caacttccag tttttatgat tagagagaca gttcagaata aaaacttcaa ttttttaagt 10860 ttagataatc tttctttact tgcattgaga aaagagcata tttttataag ccgcaattta 10920 ggataacata tggagcaatt tcatttggat agggaagaaa ttttactttt ggcaaaggcc 10980 tragractar aacttrotga agagettate caggagtate aaacttottt aagegetgtg 11040 attacttcta tgaaagaagc tettgecata gagattgatg atgeggatte atgegaatet ctttttatgc atgtagtaaa tgttgaagat ttgagagaag attcggtgac ctctgatttc 11100 aatcgagagg aatttttgcg taatgttcca gagtctttag ggggattagt gaaagttcct 11160 11220 geggtaatea agtaagggag tetgaaaaat tatgtatega tatagtgett tagaattage aaaagetgtg aetttagggg aactgacage cacaggggtg aetcaacatt ttttcatag 11280 aatagaagaa gctgaggggc aggtaggtgc ctttatttcc ttgtgtaagg aacaagcttt 11340 11400 agaacaggca gagctcatag ataaaaagcg ttcgcgtgga gaacctttag gaaaactcgc aggtgttcct gtaggaatta aagataatat tcacgttaca ggcctgaaga caacatgcgc 11460 11520 ctctcgtgtg ctcgagaatt atcaaccacc gtttgatgct actgttgtag aaagaatcaa 11580 aaaagaagat gggattatct taggcaaact caatatggat gagtttgcta tgggatcaac aacgctatat tetgetttte atectaceca caacecetgg gatttatete gtgtteetgg 11640 11700 aggttettea gggggatetg eggeegeagt ttetgetaga ttttgteeeg tageeetagg atcagatacc ggaggatcca tccgtcagcc cgcagcattt tgtggtgttg taggttttaa 11760 11820 gccttcctac ggagccgttt cgcgttacgg gcttgtagcc tttgcctctt cgctagatca aatcggteet ttagecaata etgtagaaga egtegeeeta atgatggatg tgttttetgg 11880 tagagateet aaagatgeaa eeteaagaga gttttteegt gattetttta tgagcaagtt 11940 12000 gtctacggag gttcctaaag tgattggggt gcctagaaca tttttagagg gactccgtga 12060 tgatattagg gagaatttet tetetteatt agecattttt gaaggagaag gaacceatet 12120 tgtggatgtg gagttggata ttctcagcca cgctgtatct atatattaca ttttagcatc 12180 tgctgaaget gccacgaatt tagcaaggtt cgatggggtg cgttatggat atcgttetee 12240 tcaagcgcat accatcagcc aactctacga tctctcacgt ggagaaggat ttggcaaaga 12300 12360 ttataagaaa gctacggcag tgcgtgctaa gattgtaaaa gcatttagaa ctgcatttga 12420 aaagtgtgaa atcttagcca tgcccgtctg ttctagcccc gcgtttgaaa taggagaaat 12480 totagatoot gtgactttat atctacagga tatctatact gtagctatga atttagcgta tetteetgee attgeegtae cetetggatt ttetaaggag ggeetgeeet taggeetaea 12540 12600 gattategga cagcaaggac aagaccaaca agtgtgccaa gtgggttaca gtttccaaga 12660 gcatgcgcaa attaagcaat tgttttctaa gagatatgcc aaaagtgttg ttctaggagg 12720 tcaatcatga gtgctgttta tgcagattgg gaatcagtca taggacttga agttcacgta 12780 gaattgaaca cagcatccaa gttatttagc tctgctttaa atcgctttgg agatgaacca 12840 aacactaata tttctacagt atgtacagga ttgccaggat cattgcctgt attgaatcag 12900 agtgccgtgg agaaagctgt gctttttggc tgcgctgtcg aaggtgaaat ctctctattg 12960 agtogtttog ataggaagto ttacttotat occgatagto coaggaattt toaaattaca 13020 caattcgaac atcctattat ccgaggagga cgcattaagg cgattgtcca aggggaagag 13080 cgttattttg aattagccca aacccatata gaagatgatg ccggaatgct gaagcacttc 13140 ggagagtttg ccggtgtaga ctacaatcgt gccggagtcc ccctaatcga aattgtttca 13200 aaaccetgta tgttttgtee tgaagatgge tgttgttaeg caaettettt ggttteettg 13260 ttagactata ttggaatttc cgattgcaat atggaagaag gctccatccg ttttgatgtc 13320 aatgteteeg taegeeetaa gggateeeca gaaettegea ataaggtaga aateaagaat 13380 atgaactcct tcgcttttat ggcacaagct ttagaagctg aaaaacaacg tcagatcgat 13440 gagtatetta ateageeaaa taaagateee aagetggtga tteeageege taeetaeege 13500 tgggatcccg aaaagaaaaa aactgtgctg atgcgtctca aagagagtgc cgaagattat 13560 aaatattttc ccgagcctga tctgccgaca ctacaattga cagagtccta tatagaaagg 13620 attogcaaga cottgocaga acttoottat gacaagtaco atogotatat toaggagtac 13680 ggtctatccg aagatatcgc aagtattctg atcagcgata agaatatcgc aacgttttt 13740 gaagtegett gtaaagattg taaaaacttt aggtetttat etaaetgggt aacegttgaa 13800 tttggaggcc gctgcaaaac cctaggagtg aagttgccat cttcaggaat tttccccgag 13860 ggagtegete agetggteaa egeaategae caaggtgtga teacagggaa aattgetaag 13920 gaaatcgcag atcttatgat ggaatcccca ggaaagaatc ctgaggagat tttaaaagag 13980 aagccagagc tgcttcccat gtcagatgaa ggggaattgc agaaaattat cgcagaggtg 14040 gttcttgcaa atcctgaatc tatcgtagac tataaaaatg gaaagactaa ggctctagga 14100 ttectagteg ggeagattat gaagegtaca geaggaaaag eteeteecaa gegagtgaae 14160 gaacttttac ttttagaatt agataagggc tagaattttc tgtcacagtc tgtcttaaaa 14220 aatcataaaa gcatgttaga gatctttcta acatgctttt tttatctaaa tacacatttc 14280 taagttgcaa aaacgaaagc agaaaatttc gatttgcctt tctacctaca ctttatggat 14340 ccatcagaat taaattttgc aaagccatgt ctacgcggga gataattett tttaagtgac 14400 aagaaattot tgtgotoggo ttgotttott attottattg acgtattgot tgatcagata 14460 ttcattttga tttaggtact aaaatgcgat tttcgctctg cggatttcct ctagttttt cttttacatt gctctcagtc ttcgacactt ctttgagtgc tactacgatt tctttaaccc 14520 14580 cagaagatag ttttcatgga gatagtcaga atgcagaacg ttcttataat gttcaagctg 14640

gggatgtcta tagccttact ggtgatgtct caatatctaa cgtcgataac tctgcattaa 14700 ataaagcctg cttcnatgtg acctcaggaa gtgtgacgtt cgcaggaaat catcatgggt 14760 natattttaa taatatttcc tcaggaacta caaaggaagg ngctgtactt tgttgccaag 14820 atoctcaago aacggcacgt ttttctgggt tctccacgct ctcttttaat cagagccccg 14880 gagatattaa agaacaggga tgtctctatt caaaaaatgc acttatgctc ttaaacaatt 14940 atgtagtgcg ttttgaacaa aaccaaagta agactaaagg cggagctatt agtggggcga 15000 atgttactat agtaggcaac tacgattccg tctctttcta tcagaatgca gccacttttg 15060 gaggtgctat ccattettea ggteecetae agattgeagt aaateaggea gagataagat 15120 ttgcacaaaa tactgccaag aatggttctg gaggggcttt gtactccgat ggtgatattg 15180 atattgatca gaatgcttat gttctatttc gagaaaatga ggcattgact actgctatag 15240 gtaagggagg ggctgtctgt tgtcttccca cttcaggaag tagtactcca gttcctattg 15300 tgactttctc tgacaataaa cagttagtct ttgaaagaaa ccattccata atgggtggcg 15360 gagccattta tgctaggaaa cttagcatct cttcaggagg tcctactcta tttatcaata 15420 atatatcata tgcaaattcg caaaatttag gtggagctat tgccattgat actggagggg 15480 agatcagttt atcagcagag aaaggaacaa ttacattcca aggaaaccgg acgagcttac 15540 cgtttttgaa tggcatccat cttttacaaa atgctaaatt cctgaaatta caggcgagaa 15600 atggatactc tatagaattt tatgatccta ttacttctga agcagatggg tctacccaat 15660 tgaatatcaa cggagatcct aaaaataaag agtacacagg gaccatactc ttttctggag 15720 aaaagagtct agcaaacgat cctagggatt ttaaatctac aatccctcag aacgtcaacc 15780 tgtctgcagg atacttagtt attaaagagg gggccgaagt cacagtttca aaattcacgc 15840 agtotocagg atogoattta gttttagatt taggaaccaa actgatagco totaaggaag 15900 acattgccat cacaggcctc gcgatagata tagatagctt aagctcatcc tcaacagcag 15960 ctgttattaa agcaaacacc gcaaataaac agatatccgt gacggactct atagaactta 16020 tctcgcctac tggcaatgcc tatgaagatc tcagaatgag aaattcacag acgttccctc 16080 tgctctcttt agagcctgga gccgggggta gtgtgactgt aactgctgga gatttcctac 16140 cggtaagtcc ccattatggt tttcaaggca attggaaatt agcttggaca ggaactggaa 16200 acaaagttgg agaattette tgggataaaa taaattataa geetagaeet gaaaaagaag 16260 gaaatttagt teetaatate ttgtggggga atgetgtaga tgteagatee ttaatgeagg 16320 ttcaagagac ccatgcatcg agcttacaga cagatcgagg gctgtggatc gatggaattg 16380 ggaatctctt ccatgtatct gcctccgaag acaatataag gtaccgtcat aacagcggtg 16440 gatatgttct atctgtaaat aatgagatca cacctaagca ctatacttcg atggcatttt 16500 cccaactctt tagtagagac aaggactatg cggtttccaa caacgaatac agaatgtatt 16560 taggatcgta tetetateaa tatacaacet eectagggaa tatttteegt tatgettege 16620 gtaaccetaa tgtaaacgte gggattetet caagaaggtt tetteaaaat eetettatga 16680 tttttcattt tttgtgtgct tatggtcatg ccaccaatga tatgaaaaca gactacgcaa 16740 atttccctat ggtgaaaaac agctggagaa acaattgttg ggctatagag tgcggaggga 16800 gcatgcctct attggtattt gagaacggaa gacttttcca aggtgccatc ccatttatga 16860 aactacaatt agtttatgct tatcagggag atttcaaaga gacgactgca gatggccgta 16920 gatttagtaa tgggagttta acatcgattt ctgtacctct aggcatacgc tttgagaagc 16980 tggcactttc tcaggatgta ctctatgact ttagtttctc ctatattcct gatattttcc 17040 gtaaggatee etcatgtgaa getgetetgg tgattagegg agaetettgg ettgtteegg 17100 cagcacacgt atcaagacat gcttttgtag ggagtggaac gggtcggtat cactttaacg 17160 actatactga gctcttatgt cgaggaagta tagaatgccg cccccatgct aggaattata 17220 atataaactg tggaagcaaa tttcgttttt agaaggtttc cattgcctgt gtggttccgg 17280 atettaaeta taaateetgg aetatggate ataggeattg ggtetetega aettgtgtgg 17340 agaataacga cattttatat gcataacgga atactcgtat cacctcagcc cctagagaca 17400 ttctttaggg gttctttatt tgtctaaact tcgtatttta tcgagaatcc tttacgttct 17460 tggtttgctt gtctccgagg agttctctaa cgaatcatag ggattccagg gttctgttcc 17520 ttgagtcctt tggcagctga tttgcgtctt tctcaggagt agagcgtgtg gtttcagggc 17580 ttgggactcc tagtaagacg agccattctg atagcctctc taggagagcg cttcgaagag 17640 gttcctgcaa ctgcttctaa gtaaaaattt aaagagaagt ctagtttttt cgatacattg 17700 acttettttt tgaaaceaga eacteattge tageegaatt ttaagagtee atgageatga 17760 tttctgtaaa atcctcgcaa tgagcttttt gtcttctcac cttatgatgt gctttctata 17820 agtatttaaa tgaactttta ttaaaagagt tttcgctata acctttcgct cattttttcc 17880 tttcttgtcg tgataccgct aactgatagc actacaagct ctctttcaac gtctctctta 17940 gatgaaggaa acccacaatc catgaggaaa cttcgtattc ttgcgatcgt tctcatagct 18000 ttgagcatta ttttgattgc aggtggtgtg gtattgctta ctgtagcgat ccctggatta 18060 agttcagtca tttcttcccc ggcagggatg ggtgcctgtg ctttgggatg tgtgatgctt 18120 gctttaggga tcgatgttct tctgaagaaa cgagaagtcc ctatagttct cgcatctgta 18180 actacgacac caggaactgg cagccctaga agtggtattt ctatttcagg agctgatagc 18240 accatacgtt ctcttcctac gtatctcttg gacgagggac atccacaatc catgaggaaa 18300 ettegtatte ttgegategt teteatagtt tttageatta ttttgattge aagtggtgtg 18360 gtattgctta ctgtagcgat ccctggatta agttcagtca tttcttcccc ggcagggatg 18420 ggtgcctgtg ctttgggatg tgtgatgctt gctttaggga tcgatgttct tctgaagaaa 18480

```
cgagaagtee etatagttet egeatetgta actaegaeae caggaaetgg cageeetaga
  agtggtattt ctatttcagg agctgatagc accatacgtt ctcttcctac gtatcccttg
                                                                        18540
  gacgagggac atccacaatc catgaggaaa cttcgtattc ttgcgatcgt tctcatagtt
                                                                        18600
  tttagcatta ttttgattgc aagtggtgtg gtattgctta ctgtagcgat ccctggatta
                                                                        18660
 agetegatea tttetteece ageggagatg ggtgettgtg etttgggatg tgtgatgett
                                                                       18720
 getttgggga tegaegttet tetgaagaaa egagaagtee etatagtagt teeegeacet
                                                                       18780
 attectgaag aagtegteat agatgatata gatgaagaga gtataegget geageaggaa
                                                                       18840
 gctgaagccg ctttagcaag acttcctgag gagatgagtg catttgaagg ttacataaaa
                                                                       18900
 gttgtcgaga gtcatttgga gaacatgaaa agcctgcctt atgatggtca tgggctagaa
                                                                       18960
 gagaaaacga aacatcagat aagagtcgtc agatcttctt tgaaggctat ggttccagaa
                                                                       19020
 tttttagata tcagaagaat ttttgaagaa gaagagttct tttttctctc agctcgcaaa
                                                                       19080
 cgacttatag atttagctac tactttagta gagagaaaaa ttttaacaga gcaacttgag
                                                                       19140
 cgcaataatt taaggaaagc gttttcttat ttatatcagg actcaatttt taaaaaaatt
                                                                       19200
 attgataact tegagaagtt agcatggaaa tttatgattt tgagtaaate aatttgtega
                                                                       19260
 tttacaatta tttttgaaaa tcatgaacat ggtgtagcaa agagcctgtt acacaagaat
                                                                       19320
 gcagtgttac tggagaaggt aatctatagg agtttgcaaa aaagctatag agatataggc
                                                                       19380
 atgtcatctg caaagatgaa aatcttgcac ggcaaccctt ttttctcttt ggaagataat
                                                                       19440
 aaaaagacga taatgaaaga acacgcagag atgcttgaaa gtctcagtag ctataggaag
                                                                       19500
 gtatttttag ctctatctga tgagaacgtt gtagatacac ctagcgatcc aaagaaatgg
                                                                       19560
 gatttgtcag gaatcccctg tagggacgcg ttgtctgaga tttctcgtga tgaacagtgg
                                                                       19620
 cagaagaaag cacatctaaa gcatcaagag tccctctata cgcaagctag ggatcgttta
                                                                       19680
 acagaccaga gctctaaaga aaatcagaaa gagttagaga aagctgaaca agagtacata
                                                                       19740
 tettettggg aacgggttaa aaaatttgag attgagagag tacaggagag gatacaggca
                                                                       19800
 attcaaaagc tttatcctaa tatcctcgag agagaagaag aaaccacagg tcaggagact
                                                                      19860
 gtgactccaa ctgttcaagg gacgacggct tcatccgatt taacagatat tttaggaaga
                                                                       19920
 atagaggtet ceagtaggga ggataateag aateaagagt ettgtgtaaa agtettaaga
                                                                      19980
 agtcatgagg tagaaatgag ctgggaagtc aaacaagagt atggccctaa gaaaaaagaa
                                                                      20040
 tttcaggatc aaatgggttc tttagagagg ttttttacag agcatattga agagttagaa
                                                                      20100
gtattacaga aggactactc taaacacttg tcttatttta aaaaagtaaa caataagaaa
                                                                      20160
gaggttcaat atgcgaagtt taggttgaag gttttagagt cagatttaga agggattcta
                                                                      20220
gctcagactg agagtgctga gagtctgtta actcaagaag aacttccgat tcttgcaact
                                                                      20280
cggggagcct tagagaaagc tgttttcaaa gggagtctat gttgcgcgct agcaagcaaa
                                                                      20340
gcaaaaccct attttgaaga ggatcccaga ttccaagatt ctgatacgca attgcgagct
                                                                      20400
ctgactetaa ggttacagga ggetaaggea ageetggaag aagagataaa gagattttea
                                                                      20460
aatcttgaga acgatattgc agaggaaaga cgccttctta aagagagcaa gcagacgttc
                                                                      20520
gaaagagcag gtttaggggt tctccgagaa attgcagtcg agtctactta tgatttgcgt
                                                                      20580
toottaacaa atacatggga agggacccca gagagtgaga aggtctattt tagcatgtat
                                                                      20640
cttaattatt acaacgaaga gaaacgtagg gnnaaaacaa gattggttga aatgacacag
                                                                      20700
aggtatagag attttaaaat ggccttggaa gctatgcagt ttaatgaaga agcccttttg
                                                                      207.60
caagaggaac tetetattea ageteecagt gaataacaag aateegagge aagagetegg
                                                                      20820
catgtegete getatagget acgagttgee caatetegtt tggetgattt agaagetgga
                                                                      20880
gtcatccaga aacgtaaaac aatcaaagat ttgttcaaga aacgacagtc tcaaccttct
                                                                      20940
tctaagaaat agaaaatttc gtccatgctt ccagggtttt gaaatgagaa aaagaccttg
                                                                      21000
gaataaaata attgatatga gtagcttagt tgctttaact tatgtttttg agcatgatga
                                                                      21060
catcacagat tcataatgca agtattetta tetecteaac tacceccec ecceegacg
                                                                      21120
ctctctaggg gtttcttgtt ctaaacttcg tagtttatcg atcactcttt tagttcttgg
                                                                      21180
tgtgcttttg ttgaccttgg ggattccggg actcactgca gggatctctt ttggagccgg
                                                                      21240
tttgggattt tctgctttag gaggagtgct cgtgatttcg ggacttctat tccttctagt
                                                                      21300
aagacgagag gttccgacag tacgttcaga ggaaattccc agaggggttt ctgtgacccc
                                                                      21360
ttctgaagag cctgctctag agaaggctca aaaagaaccg gagacaaaga aaattttaga
                                                                      21420
toggttgccg aaggaattgg atcagttaga tacgtatatt caggaagtgt ttgcatgttt
                                                                      21480
agagaggetg aaggateeta agtaegaaga tegaggtett ttaacagagg egaaggagaa
                                                                      21540
acticgagtt tttgacgttg ttgagaaaga tatgatgtca gagtttttag acatacaacg
                                                                      21600
agtgttgaat gaggaagcat attatgtaga acattgtcaa gatcccctag agaatatagc
                                                                      21660
ctacgagatt ttctcttccc aagagcttcg tgactactac tgtgcagggg tgtgtgggta
                                                                      21720
tttgeettet ggggatgete gageggateg attaaagaga teagttaagg aggtaatgga
                                                                      21780
tegetttatg agggtgacet ggaaatettg ggaggcatea gteatgttgg atcatageta
                                                                      21840
tggggtageg cgagagttat tcaagaagge agtaggagta ctagaggaga gtgtctataa
                                                                      21900
aattetgttt aagagetata gagatgegtt ttatgaatgt gagaaggeaa agateeagag
                                                                      21960
ggatgggcgt ttcaaatggt tataggatac gagtgctcat gcggaacaaa ggtttaggga
                                                                      22020
tatcaatggt tgttgggagg acttaaagca aacgatettt tgggtaggag aacatgattg
                                                                      22080
tacggacata gagaccgtac gtaaaagctg tatgtggctg gatcgttatg cagataaatt
                                                                     22140
tattttgagg gaaaaagagg aaaagatgga gcgtcatgag ctctttcatg cgactatggt
                                                                     22200
ccgaaaagca tetgggcacg cgtatgetaa agetaaagca geetttgaaa aggagagate
                                                                     22260
                                                                     22320
```

taatgagaat cagaggaaag tcaaggatgt tgaaaaatgg ttatctaaag gtttagcgga 22380 gtttcgtaat caagagtctc gcagagctcg ggagaggctg agagagctgc aaactttgta 22440 tcctgaggtt tctgtagaag agagagtgtt agagagacaa aggactaaaa aagttaatct 22500 ggagaacttg tatgcagata tagaaaagaa gtatcaccac tgtgttcgag agcaagagca 22560 ttactggaaa gaggtagaga acaaggaagc agagtatagg gagaacggag aaaaggttct 22620 ctctgccgag gaggtgtcag agtgtcttca gaggttggaa gattgtttag agacgtggtc 22680 taagaaatta acaaaagcgg aagagagtgt ctttgagatg aagtttgatg cgacagaaaa 22740 actagggaat aaagtacttt ctgatgtaac gaaccgtctt gagattttat gtgaagatgc 22800 tgaggagatg atttttcgaa tcgaagagat agagatgact ctgcgtatgg tagagcttcc 22860 actacttttt atgaaaaata cttttgagaa agcctctcta caatacaaca gctgcaaaga 22920 gatgttagee aaagtagage eecaatgtaa ggaaageeea aeetatagaa gtageeaaga 22980 gcgcttagaa aggttgaatc aggatttaca aacagcatat acaaattgcc aggagagact 23040 ccagggtttt tcagatttgg aatcaaaagt acgtacatgt agagatcatc ttagagagca 23100 gatgaaacat ttcgaagttc aaggactgaa ttttataaac gaagagcttt tatgggtcgg 23160 ggcagagete tttacacaag ccagattgga tetagtagca acagtteegt atatggagtt 23220 ctatttgcag taccataata ttaaaagaga aaaagttcga tcccaatgga tggcgaagac 23280 cgagaggtat agagagattc ggcaggcatt tcaaggggtg atgaaggaag atttgttagc 23340 agaagatacg atcttgaaag aagaagatta ttggctgctt cgcgatgatt ggttgctgcg 23400 tgatgagagg aagaatagac aaagacgttt aatctgtaat aagatagcag cagcgcaaca 23460 gcgagtcaaa ggcttctaac ctgaagagat ttaaaagatc ctgaaagaga aaacacctct 23520 tgtggctaga gtgcgttctt tatttactcg cgaggaccat acctagcata aaactccagg 23580 agctgtgttt ctttaaaatt ctttgaataa aatactatat attagtagct tagtgggttt 23640 aatttatgtg tttgatcgcg atggcaccac agattcataa tgcaagtact tctatctccq 23700 cagetaccce ecceccaac actetgtagg gtegatttet tetecateta aacttegegt 23760 tttagcgatt acttttttag tttttggtat gctcttactg atttcaggag ctctctttct 23820 gacgttaggg attccaggat tgagtgcagc aatttcttt ggattaggca tcggtctctc 23880 cgcattagga ggagtgctga tgatttcggg actactatgt cttttagtaa aacgagagat 23940 teegaeagta egaeeagaag aaatteetga aggggttteg etggeteett etgaggagee 24000 agetetacag geageteaga agaetttage teagetgeet aaggaattgg ateagttaga 24060 tacagatatt caggaagtgt tcgcatgttt aagaaagctg aaagattcta agtatgaaag 24120 tegaagtttt ttaaacgatg etaagaagga gettegagtt tttgaetttg tggttgagga 24180 tacceteteg gagatttteg agttgeggea gattgtgget caagagggat gggatttaaa 24240 ctttttgatc aatgggggac gaagcctcat gatgactgca gaatctgaat cgcttgattt 24300 gtttcatgta tcgaagcggc tagggtattt accttctggg gatgttcgag gggaggggtt 24360 aaagaaatet gegaaggaga tagtegeteg tttgatgage ttgeattgeg agatteacaa 24420 ggtggcggta gcgtttgata ggaatteeta tgcgatggca gaaaaggegt ttgcgaaage 24480 gttgggaget ttagaagaga gtgtgtateg gagtetgaeg cagagttata gagataaatt 24540 tttggagagt gagagggcga agatcccatg gaatgggcat ataacctggt taaqaqatqa 24600 tgcgaagagt gggtgtgctg aaaagaagct tcgggatgcc gaggaacgtt ggaagaaatt 24660 taggaaagca gtcttttggg tagaagaaga cgggggcttt gacatcaata atctccttgg 24720 agactggggg acagtgcttg atccttatag acaagagaga atggacgaga taacgttcca 24780 tgagttgtat gaaaaaacta cgtttttgaa aagactgcac agaaagtgtg cgttagcgaa 24840 aacaaccttt gaaaagaaga gatctaaaaa gaatttgcag gcagtcgagg aggcgaatgc 24900 acgtaggttg aaatatgtaa gggattggta tgatcaggag tttcagaaag caggggagag 24960 attagagaaa Ctgcatgctt tgtatcctga ggtttcagtc tctataagag agaacaaaat 25020 acaagagacg cgctctaatt tagagaaagc ctatgaggct atcgaagaga actatcgttg 25080 ctgtgtccga gagcaagagg actactggaa agaagaagag aaaagggaag cggagtttag 25140 ggagagggga aacaagattc tttctcctga ggagctggaa agttctttgg agcaattcga 25200 ccatggtttg aaaaattttt ctgagaaatt aatggaattg gaagggcata tcttaaaact 25260 tcagaaagaa gccacagcag aggtggagaa taaaatactt tcagatgcag agagccgcct 25320 tgagattgta tttgaagatg tcaaggagat geeetgtega attgaggaga tagagaagae 25380 getgegtatg geggagetge ecctaettee tacgaagaag gegtttgaga aggeetgete 25440 acaatataat agctgcgcag agatgttgga gaaggtgaag ccttactgca aggagagcct 25500 cgcctatgtg actagcaaag agcgtttagt gagcttggat gaagatttac gacgagccta 25560 cacagagtgt cagaagagat tccaggggga ttcgggtttg gagtcggaag taagagcctg 25620 tegagageaa etgegagage ggateeaaga gtttgaaaet eaagggetgg aettggtgga 25680 aaaagagttg Ctttgtgtga gtagtagatt aagaaataca gagtgcgatt gtgtatctgg 25740 tgttaagaaa gaagcacctc ctggtaagaa gttttatgcc cagtattatg atgagattta 25800 togagttaga gttcaatooc gatggatgac gatgtotgag agattgagag agggagttca 25860 agcatgcaac aagatgttga aggcaggcct aagcgaagaa gataaggttc ttaaagaaga 25920 agagtattgg ttgtatcgag aggagagaaa gaataaagag aaacgtttgg ttggtactaa 25980 gatagtagca acgcagcagc gagttgcagc atttgaatcc atagaagttc ctgagattcc 26040 26100 tgaggcccca gaggagaaac cgagtttgct ggataaagcg cgttctttat ttactcgcga ggaccattcc tagaactatt ctaggagtct atgtgcacta ttttttaaga ggtttattat 26160

```
teegtgggta tgtetgagag aetttgatta aatgggatat tattatatee tagttgetet
 aatcaatatt cctcttatga ttttggtatt cgatcatgac tgcagcacca gctattctac
                                                                       26220
 acgtatecee gacgeeect gaagaaacaa aattegttat teetaaagat agtaaatete
                                                                       26280
 gegetettgg gattacttta ttagtegtag geateettet ggtagtttgt ggtgegattg
                                                                       26340
 tactcagtgg agtgatttct ggattgagtg cactcattgt ttgtggattg ggtattagta
                                                                       26400
 cgatttctct aggagttgtc ctatttgttt taggattgat attattactt agaaagcggg
                                                                       26460
 aacttacctt agaacagatc gaggctaagc aaattgcgga gacctttgct gatgaactga
                                                                       26520
 aagaactaga aatgtacatt cagtcgacag agaaaagctt agagaagata gaagggtccc
                                                                       26580
 gttatagtga ccaaggtttt ctgaatcgtg ccacccaaaa aatcttagat ttagaatctt
                                                                       26640
 cattgagete tattaettet gagtttegtg atettaggea aetetttgat gaagaaaaaa
                                                                       26700
 tagagttact ttctggagaa aggcttttag aatttattgc agcgaattta tttaaacaag
                                                                       26760
 gaagagatgt ctatttaaat ttagggaatt tagcagacat tcgtgcgtac atggggccca
                                                                       26820
 acaattataa agttgcgatg gtcatagaaa aagctaaagc agttgtgcat gagtttatag
                                                                       26880
 ttctgactac aatggctagg gaattagagt ttttttcta aaaaataaat atggtttatt
                                                                       26940
 aaaggggatg taccaggaga atctaagatt gttggaaagg cttctttata atagtgttca
                                                                       27000
 aaagagetat geggategge tgtttteeta tgaaaagaea aagatggtge aegataetee
                                                                       27060
 gctgattcct tgggaagagg ataaggaaaa atgtgctgaa gctgagaaag ctttcttaga
                                                                       27120
 gcaacagaag attetectag attatggaaa atetatettt tggetgaatg agaacgatga
                                                                       27180
 gatcaattta aacgatcctt ggagttgggg tcttaatacg gtgaggacta ggaaagtatt
                                                                       27240
 ccaagaggtt gacgacagtg aacgttggaa tcataaggta ctcattcaaa aactcgagga
                                                                       27300
 cgattatgag aaacttctag aggaaagttc aaaagagtct actgaagcaa ataagaagct
                                                                       27360
 tttatctgac ttagtagatc gtcttgaaga tgctaagaca aaatttttcc tgaagaaaca
                                                                       27420
ggaggaggtg gagactcgcg ttaaggatct tagagctcga tatggaggca cagtagatcc
                                                                       27480
 taagcaggat acggaagcta agaagaaagt cgaattggag gctagcttag aaaccttttt
                                                                       27540
agattecate gaateagage tagtacagtg tttagaagat caagatatat attggaaaga
                                                                       27600
acaggatgtc aaagatctag cacgtacgca agagctcgag gaacaagata ttgaagcgaa
                                                                       27660
                                                                       27720
gagggaagaa gctgccgaag acctaagaaa gtcttaatga gcgtttaaag aagtcaaaaa
ctatgttaga tagggctaaa tggcatattg aaaatgctga ggacagtatt acctggtgga
                                                                       27780
ctagtcagat agaaatgaag gatatgaaag caagactgaa gatcttaaaa gaagatataa
                                                                       27840
caagtgttct acctgaaata gatgagattg aaacgtgttt aagcttagag gagcttcctt
                                                                      27900
tgcttacgac cagggaactc ttaactaagt cctacctaaa gtttaagatt tgttcggaaa
                                                                      27960
cactattaaa aatgacttct gtgtttgaga acaatatcta tgttcaggag tacgaggttc
                                                                      28020
agctgcaaaa tctagggttt aagttacaag gtatatctca gagattcgga aagaaacaag
                                                                      28080
acgattttgc gaatctagag gaacaggttg ctttgcaaaa gaaacgactc agagagctca
                                                                      28140
ctcagaattt tgaaatacaa ggattcaatt tcatgaaaga agattttaag gcagccgcta
                                                                      28200
aagatettta tataagaagt acagetgaac aaaagatgaa etttgatgtg eettgeatgg
                                                                      28260
                                                                      28320
agctetteeg taggtateat gaggaggtea acaageeget tettgagttg atgtacaatt
                                                                      28380
gtgcagacag ttatagagat gctaagaaaa agctttgctc tctacgtctt gatgaaaaag
agttattaca aaaagaaatc aagaaagagg aattttatca aaagaaacaa caaaggcatg
                                                                      28440
cagatagatc acgtcatact aggtatcaaa agctacgaat tgctgaagag cttgctcttg
                                                                      28500
agetgaagaa gaaaatetaa teaetaaage etagttaagg gttettttga attgggeeet
                                                                      28560
                                                                      28620 :::
gtgtttecat ttetetaggg atcetettag etgaggatet tetttgtace tettttgatt
cgaaaagagg tgctattgtg agttgccaat agcaacgatc caccttcgtt tttgaaaaga
                                                                      28680
tacatcagtt gctaagggaa cttttcagaa aatatcataa aaaactccca agattttggc
                                                                      28740
                                                                      28800
ttggaaagcg agcctttctt gctacttttg ttacaacaaa agtgttctat tttaacgtgc
                                                                      28860
gtatcatttg tgactaagag atagacttgc tttctttatc taatcttctg tattggaaag
                                                                      28920
aaageeeett gagggaaaaa aaggttgtta tgaagattee acteegettt ttattgatat
                                                                      28980
cattagtacc tacgetttet atgtegaatt tattaggage tgetactace gaagagttat
cggctagcaa tagcttcgat ggaactacat caacaacaag cttttctagt aaaacatcat
                                                                      29040
cggctacaga tggcaccaat tatgttttta aagattctgt agttatagaa aatgtaccca
                                                                      29100
aaacagggga aactcagtct actagttgtt ttaaaaatga cgctgcagct ggagatctaa
                                                                      29160
atttettagg agggggattt tettteacat ttageaatat egatgeaace aeggettetg
                                                                      29220
                                                                      29280
gagetgetat tggaagtgaa geagetaata agaeagteae gttateagga tttteggeae
                                                                      29340
tttcttttct taaatcccca gcaagtacag tgactaatgg attgggagct atcaatgtta
                                                                      29400
aagggaattt aagcctattg gataatgata aggtattgat tcaggacaat ttctcaacag
                                                                      29460
gagatggcgg acaattaatt gtgcaggctc cttgaagatc gcaaacaata agtccctttc
                                                                      29520
ttttattgga aatagttett caacaegtgg eggagegatt cataceaaaa aceteacaet
                                                                      29580
atcttctggt ggggaaactc tatttcaggg gaatacagcg cctacggctg ctggtaaagg
                                                                      29640
aggtgctatc gcgattgcag actctggcac cctatccatt tctggagaca gtggcgacat
                                                                      29700
tatctttgaa ggcaatacga taggagctac aggaaccgtc tctcatagtg ctattgattt
                                                                      29760
aggaactago gotaagataa otgogttaog tgotgogoaa ggacataoga tataotttta
                                                                      29820
tgatccgatt actgtaacag gatcgacatc tgttgctgat gctctcaata ttaatagccc
tgatactgga gataacaaag agtatacggg aaccatagtc ttttctggag agaagctcac
                                                                      29880
                                                                      29940
ggaggcagaa_gctaaagatg agaagaaccg cacttctaaa ttacttcaaa atgttgcttt
                                                                      30000
```

taaaaatggg actgtagttt tgaaaaggtg atgtcgtttt aagtgcgaac ggtttctctc 30060 aggatgcaaa ctctaagttg attatggatt tagggacgtc gttggttgca aacaccgaaa 30120 gtatcgagtt aacgaatttg gaaattaata tagactctct caggaacggg aaaaagataa 30180 aactcagtgc tgccacagct cagaaagata ttcgtataga tcgtcctgtt gtactggcaa 30240 ttagcgatga gagtttttat caaaatggct ttttgaatga ggaccattcc tatgatggga 30300 ttcttgagtt agatgctggg aaagacatcg tgatttctgc agattctcgc agtatagatg 30360 ctgtacaatc teegtatgge tateagggaa agtggaegat caattggtet actgatgata 30420 agaaagctac ggtttcttgg gcgaagcaga gttttaatcc cactgctgag caggaggctc 30480 cgttagttcc taatcttctt tggggttctt ttatagatgt tcgttccttc cagaatttta 30540 tagagctagg tactgaaggt geteettaeg aaaagagatt ttgggttgca ggeattteca 30600 atgttttgca taggagcggt cgtgaaaatc aaaggaaatt ccgtcatgtg agtggaggtg 30660 ctgtagtagg tgctagcacg aggatgccgg gtggtgatac cttgtctctg ggttttgctc 30720 agetetttge gegtgacaaa gaetaettta tgaataecaa tttegeaaag acetaegeag 30780 gatetttaeg tittgeageae gatgetteee tatactetgt ggtgagtate ettttaggag 30840 agggaggact ccgcgagatc ctgttgcctt atgtttccaa gactctgccg tqctctttct 30900 atgggcaget tagetacgge catacggate ategcatgaa gaccgagtet etaccecce 30960 ccccccgac gctctcgacg gatcatactt cttggggagg atatgtctgg gctggagagc 31020 tgggaactcg agttgctgtt gaaaatacca gcggcagagg atttttccaa gagtacactc 31080 catttgtaaa agtccaagct gtttacgctc gccaagatag ctttgtagaa ctaggagcta 31140 tcagtcgtga ttttagtgat tcgcatcttt ataaccttgc gattcctctt ggaatcaagt 31200 tagagaaacg gtttgcagag caatattatc atgttgtagc gatgtattct ccagatgttt 31260 gtcgtagtaa ccccaaatgt acgactaccc tactttccaa ccaagggagt tggaagacca 31320 aaggttcgaa cttagcaaga caggctggta ttgttcaggc ctcaggtttt cgatctttgg 31380 gagetgcage agagetttte gggaactttg getttgaatg geggggatet tetegtaget 31440 ataatgtaga tgcgggtagc aaaatcaaat tttagcgatt tctctttcga tgctattttt 31500 ccatggctat ttttaaaatg atagccatgg ttatagatac gtagtcctta tttcaaagaa 31560 gacactgttg cattagatac gctctctgat ccctcaaaat cacattttgg tatctgattg 31620 ctaagattgc aggataccac gcatcttaag agaaaggcgc tcttacctag tagaggttga 31680 gtgaatttct tgacttgttt ctcctattgg tgtatctctt aaaatattaa attcaaaatc 31740 aaagtatata ttttacaatg aagtottott tooccaagtt tgtattttot acatttgota 31800 ttttcccttt gtctatgatt gctaccgaga cagttttgga ttcaagtgcg agtttcgatg 31860 ggaataaaaa tggtaatttt tcagttcgtg agagtcagga agatgctgga actacctacc 31920 tatttaaggg aaatgtcact ctagaaaata ttcctggaac aggcacagca atcacaaaaa 31980 gctgttttaa caacactaag ggcgatttga ctttcacagg taacgggaac tctctattgt 32040 tccaaacggt ggatgcaggg actgtagcag gggctgctgt taacagcagc gtggtagata 32100 aatctaccac gtttataggg ttttcttcgc tatcttttat tgcgtctcct ggaagttcga 32160 taactaccgg caaaggagcc gttagctgct ctacgggtag cttgagtttg acaaaaatgt 32220 cagtttgctc ttcagcaaaa acttttcaac ggataatggc ggtgctatca ccgcaaaaac 32280 tettteatta acagggaeta caatgteage tetgttttet gaaaataeet eetcaaagaa 32340 aggeggagee atteagaett eegatgeeet taceattaet ggaaaceaag gggaagtete 32400 tttttctgac aatacttctt cggattctgg agctgcaatt tttacagaag cctcggtgac 32460 tatttctaat aatgctaaag tttcctttat tgacaataag gtcacaggag cgagctcctc 32520 aacaacgggg gatatgtcag gaggtgctat ctgtgcttat aaaactagta cagatactaa 32580 ggtcaccctc actggaaatc agatgttact cttcagcaac aatacatcga caacagcggg 32640 aggagetate tatgtgaaaa agetegaaet ggetteegga ggaettacee tatteagtag 32700 aaatagtgtc aatggaggta cagctcctaa aggtggagcc atagctatcg aagatagtgg 32760 ggaattgagt ttatccgccg atagtggtga cattgtcttt ttagggaata cagtcacttc 32820 tactactcct gggacgaata gaagtagtat cgacttagga acgagtgcaa agatgacagc 32880 tttgcgttct gctgctggta gagccatcta cttctatgat cccataacta caggatcatc 32940 cacaacagtt acagatgtct taaaagttaa tgagactccg gcagattctg cactacaata 33000 tacagggaac atcatcttca caggagaaaa gttatcagag acagaggccg cagattctaa 33060 aaatettaet tegaagetae tacageetgt aactetttea ggaggtaete tatetttaaa 33120 acatggagtg actctgcaga ctcaggcatt cactcaacag gcagattctc gtctcgaaat 33180 ggacgtagga actactctag aacctgctga tactagcacc ataaacaatt tggtcattaa 33240 catcagttct atagacggtg caaagaaggc aaaaatagaa accaaagcta cgtcaaaaaa 33300 tetgaettta tetggaacca teaetttatt ggaecegaeg ggeaegtttt atgaaaatea 33360 tagtttaaga aatcctcagt cctacgacat cttagagctc aaagcttctg gaactgtaac 33420 aagcaccgca gtgactccag atcctataat gggtgagaaa ttccattacg gctatcaggg 33480 aacttgggge ccaattgttt gggggacagg ggcttctacg actgcaacct tcaactggac 33540 taaaactggc tatattccta atcccgagcg tatcggctct ttagtcccta atagcttatg 33600 gaatgcattt atagatatta geteteteea ttatettatg gagaetgcaa aegaagggtt 33660 gcagggagac cgtgcttttt ggtgtgctgg attatctaac ttcttccata aggatagtac 33720 aaaaacacga cgcgggtttc gccatttgag tggcggttat gtcataggag gaaacctaca 33780 tacttgttca gataagattc ttagtgctgc attttgtcag ctctttggaa gagatagaga 33840

ctactttgta qctaagaatc aaaggtagag tata	
ctactitgta gctaagaatc aaaggtacag tctacggagg aact acgaaaccta tatctctctt ccttgcaaac tacggccttg ttcg cagagattcc tgttctcttt tcaggaaacc ttaggtaga	ctctat taccagcaca 33900
cagagattee tottetert toagganage to	tigict taigticcta 33960
aaaccaagta tacaacatat cotactotta acagciacac ccat	acggat aacgatctga 34020
tagaattegg tggaagaget cegatttget tagatgaaag tgete tgecetteat gaaattgeag tttgtetatg cagatgaaag	aatgat agtttcgctt 34080
tgcccttcat gaaattgcag tttct-t-t-	ctattt gagcagtaca 34140
tgcccttcat gaaattgcag tttgtctatg cacatcagga aggtt	tttaaa gaacagggaa 34200
cagaageteg tgaatttgga agtageegte ttgtgaatet tgeet gatttgataa ggaateagae tgccaagatg cagageta	ttacct atcgggatcc 34260
gatttgataa ggaatcagac tgccaagatg caacgtacaa tctaa	actett ggttatactg 34320
tggatettgt tegtagtaac eecgaetgta egacaacact gegaa	attage ggtgattett 34300
ggaaaacttt cggtacgaat ttggcaagac aagctttagt cette	egtgca gggaaccatt 34440
tttgctttaa ctcaaatttt gaagcettta gecaatttte ttttg	Haatta catagatcat 34500
ctcgcaatta caatgtagac ttaggagcaa aataccaatt ctaat aagagctcca tacatcgaag ggaaaagagg tttt	geget agetttagta 34500
aagageteea tacategaag ggaaaagage tittaagatt tettg	gaagge tettteggta 34560
ttegatttee attttagtgt tttgetaaaa caettetaa ttttt	ttett ttetttett 34620
cattgaaaa aagagagtta cggcagctgt aagttttta atatt	actor otterna 34680
tttatgtagc gttcagactt tgcactaaaa cgagggtttta atatt	lagate eteteteca 34740
ttgttattaa tatetteate tetageettt etettaa tgagt geegatetea eattagggag tegtgaggt tettaatettaa tgagt	agate gtettttee 34800
gccgatctca cattagggag tcgtgacagt tataatggtg ataca actcctaaag cggcaacttc tgatgctagt gagagagag	34860
actectaaag eggeaactte tgatgetagt ggeacgaect atatt	agcac cacagaattt 34920
togataagoo aagoagggaa acaaacgago ttaaccacaa gttgt	ctega tggggatgtc 34980
ggaaatctta ccttcttagg gaacggattt tctcttcatt ttgac	ttttc taacaccgca 35040
actgttgcag gtgttgttgt tagcaataca gcagettetg ggatt.	aatat tatttcgtct 35100
ttttcaactc ttcggatgct tgcagctcct aggactcctg ggatt. accgatggtc tggtgtttga gagtataggg agtatagg	acgaa attctcagga 35160
accgatggtc tggtgtttga gagtataggg aatcttgatc ttaatggaaatgggg gagccatcaa tacgaagact ttaatgt	ggagc cattaaaatt 35220
gaaaatgggg gagccatcaa tacgaagact ttgtctttga ctgggg	gaaaa tgcctctagt 35280
gcgttccttg gcaatagctc gtcgcaacaa	agtac gcggtttgta 35340
gcgttccttg gcaatagctc gtcgcaacaa gggggagcga tctatc	gette tggtgaetet 35400
gtgatttctg agaatgcagg aatcttgagc ttcgaaca acagtg	gcgac aacatcagga 35460
ggcgcgatct ctgctgaagg gaaccttgtg atctccaata accaas	aatat ctttttcgat 35520
ggctgcaaag caactacaaa tggcggagct attgta accaaa gaccctatct tgactctttc aggaaatgag aggattat	gcagg ggcgaaccca 35580
gaccetatet tgactettte aggaaatgag ageetgatt ttetga	aataa cacagcagga 35640
aatagtggag gtgcgattta taccaaaaaa ttggtat cctcag	ggacg aggaggagtg 35700
ttattttcta acaacaaagc tgcgaatgct actcctaaag gagggg	gcaat tgcgattcta 35760
acgagcacta caggaagtcc tgcgagtgtg accagaaatg ctatag	gatet tgcategaat 35880
acgageteag gagetaetga taagetetet ttgaataaag etgaeg acetatgaag getaeategt tttetetga gagaagaa	scagg atctggaaat 36000
acctatgaag gctacatcgt tttctctgga gagaaactct cagaag atctgaagtc tacatttaca caggctgtag agctacatct	itaag aaacctgaga 36060
atctgaagtc tacatttaca caggctgtag agcttgctgc aggtgc atggagtgac tgtagttgca aatactataa ggagggtgc	ctta grattgaaag 36060
atggagtgac tgtagttgca aatactataa cgcaggtcga gggatc	ctta gtattgaaag 36120
atggagggac tacttttgag gcaagcgctg aggggtcac tctcaa	tags standards 36180
atatagattc cttagatggg acaaataaag ctatcataa ggcgac	eggc ctagccatta 36240
atgttgcctt atcagggcct atcatgcttg tagtcatta ggcgac ataatctcag tcaacagcag gtctttgcct tagtcgctca ggggaa	ggca gcaagtaagg 36300
ataatctcag tcaacagcag gtctttgcct taatagagct ttctgc	ctat tatgagcatc 36360
gaactggaat aattgtttgg gtcgacgatg caactgcaaa aacaaa.	ctat ggtatcaagg 36480
cttggactaa aacaggatac aagccgaatc cagaacgtca gggacc gcctgtgggg ttcttttgtc gatgtcggt ggatgt	daat gctaccttaa 36540
gcctgtgggg ttcttttgtc gatgtcggct ccattcagag cctcate	tttg gttcctaata 36600
gttcgttatc ttcgtcaaca aatttgtggg tatcaggaat cgcggaatacagaaagg aaaccaacgt agttatcgtg attatcaggaat cgcggaa	ggac cggagcacaa 36660
atcagaaagg aaaccaacgt agttatcgtc attctaggat cgcggac gattcttcac ggcttctgaa aatttcttca	cttt ttgcatgaag 36720
gattetteae ggettetgaa aatttetta attttgett ttgteag	tgca ttaggaggag 36780
acaaggacca tettgtgget aagaaccata eccatgtata tgeagg	gett tttggetacg 36840
gacacctegg agagtetaag acctegeta agatttigte aggaaat	ggca atgagttacc 36900
cttttgtctt caatgctcgg tttgcttata	ttct gactccctac 36960
cttttgtctt caatgctcgg tttgcttatg gccataccga caataac	catg accacaagt 37020
acactggcta ttotcctgtt aagggaaget ggggaattga tgccttc	eggt atagaatgtg 37080
gaggagctat cocggtagtt gettcaggac gtoggaaatga tgectte ttetaaacet agagatgate tatgcacate agagatett	tacc cacacgccat 37140
ttctaaacct agagatgatc tatgcacatc agaatgactt taaggaa	aaac ggcacagaag 37200
gccgttcttt ccaaagtgaa gacctctca atctagcggt tcctgta	aggg ataaaatttg 37260
agaaattctc cgataagtct acgtatgatc tctccatagc ttacgtt	ECCC gatgtgattc 37320
gtaatgatec aggetgeacg acaactetta tegettetge ggattet	tgg tcgacatgtg 37380
gtacaagctt gtctagacaa gctcttcttg taggttctgg ggattct	cat geetttgett 37440
caaactttga agttttcagt cagtttgaag tcgagttgcg aggttct	tct cgtagctatg 37500
ctatcgatct tggaggaaga ttcggatttt aatcctaagt tttccaa	lega gatagestes 37500
gggtaagcca gggctctatg taagagattt catagagccc tctcttt	gtc ttgcttttta 37500
tattttattt_ttatatttcg tgaatccgtt gttccaatgt tcgaaag	gta toctagates 37620
	ggta teetagatga 37680

gattgctgtt gtcttgtcct atgcttttta tagctgcatg tgcctcattt tttggctttc 37740 aggaagaaat gcaaggcaga aatatacaat ctcttgatgc aaatgcttct agtctagggg 37800 aacttttttc tatttctacg aagggagtgt cttgtctaga actccatagg gagatcgcac 37860 gctaaatatg agaatataat atgaagactt cagtttctat gttgttggcc ctgctttgct 37920 cgggggctag ctctattgta ctccatgccg caaccactcc actaaatcct gaagatgggt 37980 ttattgggga gggcaataca aatacttttt ctccgaaatc tacaacggat gctgcaggaa 38040 ctacctactc tctcacagga gaggttctgt atatagatcc ggggaaaggt ggttcaatta 38100 caggaacttg ctttgtagaa actgctggcg atcttacatt tttaggtaat ggaaataccc 38160 taaagtteet gteggtagat geaggtgeta atategeggt tgeteatgta eaaggaagta 38220 agaatttaag etteacagat tteetttete tggtgateae agaateteea aaateegetg 38280 ttactacagg aaaaggtagc ctagtcagtt taggtgcagt ccaactgcaa gatataaaca 38340 ctctagttct tacaagcaat gcctctgtcg aagatggtgg cgtgattaaa ggaaactcct 38400 gcttgattca gggaatcaaa aatagtgcga tttttggaca aaatacatct tcgaaaaaag 38460 gaggggcgat ctccacgact caaggactta ccatagagaa taacttaggg acgctaaagt 38520 tcaatgaaaa caaagcagtg acctcaggag gcgccttaga tttaggagcc gcgtctacat 38580 tcactgcgaa ccatgagttg atattttcac aaaataagac ttctgggaat gctgcaaatg 38640 geggagecat aaattgetea ggggaeetta eatttactga taacaettet ttgttactte 38700 aagaaaatag cacaatgcag gatggtggag ctttgtgtag cacaggaacc ataagcatta .38760 ccggtagtga ttctatcaat gtgataggaa atacttcagg acaaaaagga ggagcgattt 38820 ctgcagcttc tctcaagatt ttgggagggc agggaggcgc tctcttttct aataacgtag 38880 tgactcatge caccecteta ggaggtgeea tttttateaa cacaggagga teettgeage 38940 tetteactea aggaggggat ategtatteg aggggaatea ggteactaca acagetecaa 39000 atgctaccac taagagaaat gtaattcacc tcgagagcac cgcgaagtgg acgggacttg 39060 ctgcaagtca aggtaacget atctatttet atgateceat taccaceaac gataegggag 39120 caagcgataa cttacgtatc aatgaggtca gtgcaaatca aaagctctcg ggatctatag 39180 tattttctgg agagagattg tcgacagcag aagctatagc tgaaaatctt acttcgagga 39240 tcaaccagcc tgtcacttta gtagagggga gcttagtact taaacaggga gtgaccttga 39300 tcacacaggg attctcgcag gagccagaat ccacgcttct tttggatctg gggacctcat 39360 tataagette tacagaagat attgteatea caaatttate tataaatgee gataceattt 39420 acggaaagaa tcctatcaat attgtagctt cagcagcgaa taagaacatt accctaacag 39480 gaaccttagc acttgtaaat gcagatggag ctttctatga gaaccatacc ttgcaagact 39540 ctcaagacta tagctttgta aagttatctc caggagcggg agggactata attactcaag 39600 atgettetea gaageetett gaagtagete ettetagace acattatgge tateaaggae 39660 attggaatgt gcaagtcatc ccaggaacgg gaactcaacc gagccaggca aatttagaat 39720 gggtgcggac aggatacett ecgaateeeg aaeggcaagg atetttagtt eccaatagee 39780 tgtggggttc ttttgttgat cagcgtgcta tccaagaaat catggtaaat agtagccaaa 39840 tettatgtea ggaaegggga gtetggggag etggaattge taattteeta catagagata 39900 aaattaatga gcaccgctat cgccatagcg gtgtcggtta tcttgtggga gttggcactc 39960 atgctttttc tgatgctacg ataaatgcgg ctttttgcca gctcttcagt agagataaag 40020 actacgtagt atccaaaaat catggaacta gctactcagg ggtcgtattt cttgaggata 40080 ccctagagtt tagaagtcca cagggattct atactgatag ctcctcagaa gcttgctgta 40140 accaagtcgt cactatagat atgcagttgt cttacagcca tagaaataat gatatgaaaa 40200 ccaaatacac gacatatcca gaagctcagg gatcttgggc aaatgatgtt tttggtcttg 40260 agtttggagc gactacatac tactacccta acagtacttt tttatttgat tactactctc 40320 cgtttctcag gctgcagtgc acctatgctc accaggaaga cttcaaagag acaggaggtg 40380 aggttcgtca ctttactagc ggagatcttt tcaatttagc agttcctatt ggcgtgaagt 40440 ttgagagatt ttcagactgt aaaaggggat cttatgaact tacctttgct tatgttcctg 40500 atgtgattcg caaagatccc aagagcacgg caacattggc tagtggagct acgtggagca 40560 cccacggaaa caatetetee agacaaggat tacaactgeg tttagggaac cactgtetea 40620 taaatcctgg aattgaggtg ttcagtcacg gagctattga attgcgggga tcctctcgta 40680 attataacat caatctcggg ggtaaatacc gattttaata gggaactgag agttccttat 40740 tgtagagagt atttacaagg attttgagac gaaagagatt tcttgttgta ggtatctctc 40800 cacagggtct agttcaattt ctatagttca tggggtttct ttttttataa agaagaaacc 40860 ccatgtctga cgagacetca cctggateta ttgcattcte tatggtaagg gatccatgae 40920 ttgacacagg aggttcattc tcatgtctaa gtcagaggtt agaagggagg ttttttaagg 40980 tttgtcgagc tttaagaaga agaaaaatcg actatctgct tctcggcgtt catacacccc 41040 atagagetge caatgttega agatettegt eeetagaate atetggtatt etaggtagtt 41100 cggagtgtcc tgcgatgcca gccatagcgt aaggataagc ggtaattcca acagggatga 41160 ggtcgtacaa ataatttccc taaaatgaga ttcctatgat cagagagagg ggagtctaaa 41220 agctggtcaa tgggacggct gacatctaaa atgaagttct ccctgtcaca cttaatcagg 41280 ctgtatttgc ttctatgcag ggattctaga gtcatagcca cattgtcatt tccgatccac 41340 toccaacgta tgttcatgtg atcccaacag tgctttttcc aaatccattc agcatctaag 41400 gagactgtat ttttctttcc aaaaggtaga gatagctcgc atgcagtttt gggaaacgtg 41460 ggtttgcttt ctgtattgct caagatgtgg gtagtccaca gcttcgcatg gattctcggg 41520

	PCT/IB98/01890
aatcgagggt tagtcttact cagtaccgag gtatctatac ccgctttcag aaggtt	
gagtgaaagg catcttgaat ggaaaagata taatgatctt cattcttagc tagagg	taag 41580
gtctctgtaa tgaaggtaac gaacggctct ataataggc gtctttgaat gtaggg tgtaatagaa agcgataatc aagttgtagg ttaggagg	acga 41640
tgtaatagaa agcgataatc aagttgtagc ttcgcggaaa gctgactatg gcgcga atctcaggaa catcgctata gtaaatcaga gaactaga gctgactatg gcgcga	ctta 41700
atctcaggaa catcgctata gtaaatcaga gaactccta gggtggagga gagcgt	ggag 41760
ataggtagag gcacagtttt atggagctta gggcgcgcag caagacgtag tgaaga	tcct 41820
ttetegecaa egatatgate getaaaagea aagtttaaat acceacatte taegat	gaaa 41880 gttt 41940
tcaaggtaca ctcccgtatt ataaatagaa atcgggtact gccttaatgt taaata	aggg 42000
agetettggt tggcattttg gaaagagttt acettaacag aagaggtgag atacce	ttca 42060
aaatagttgt cattccaagt gcaatcgaca cgtgtggggc ctgtattttt caacat	gaag 42120
ttgttgggga aaatgtcagc aacagtttcc caactatcgc tgagatggta ttctccaaaatttacat gcttatgggt gaaggagaa tgtggaatggta ttctcca	agaa 42180
aaatttacat gcttatgcgt gaagcagaaa tctccgtgc tgagatggta ttctccgt tctgccatat cgatagcaag gcggtaggg	agct 42240
ggaacctgct tctgagaaca atggaggttg alteratit tcatattgaa gacatte	ctca 42300
ctatccaaga aaaatgtcga ggagaaatgc ttcctagaaa tcggcgagta gctcatc	aaag 42360
aaataggate ccagaaatee teetgtteet eteetagaaa teggegagta geteate teetataggea tgatagaaaa teggggagaag eeesate ttateggagg ettaggg	CCC 42420
tccataggca tgatagaaaa tggaggtaag aaaagtatcg gaatgcgaca caccctt	gatc 42480
gttgtcttcc ctatagaaag aagactatct gaagaatatt ccaggtaatc tccggag	aat 42540
cacaggtett ttttgggace eteggaggta gagatatt ceateegaat tetggggtta gagtgateat gactatg	gagg 42600
tctggggtta gagtgatcat agacccccct agaaaccaag gatacatcgc gaatctt	igtt 42660
ttagtaagaa gacaagagte tgtatetteg taatacteta ggtaateaca aactagg	cca 42720
tttgccctat agttcaccat aacattgcca tgtgcgacaa gcttcaggct ttgaccc gtattttcta catacacttt attggcttgt attggcgacat gcttcaggct ttgaccc	gtt 42780 aca 42840
gtattttcta catacacttt attggcttgt atccgcaggt tgttatggat attcaat ccatcttcga tggtcacaat cccagaagaca ctcttaaagat attcaat	acc 42900
ccatcttcga tggtcacaat cccagaaaca ctcttcaagt gactaagata ggagttt	ttc 42960
tttttcacag cctcttgatg agtcaaagca tcagctgagg aacccataag aacaaag gctagaaata agaagcaacg tttcataaga cagcattagg	gaa 43020
gctagaaata agaagcaacg tttcataaga cgtaggttgg ggttactcca caatttt	tat 43080
gagtaageet geaaggactg ggaaatttt tgeateteet teegteatea gttgtat taaaeggata tetteggaag actteggagt ggatartet	caa 43140
cttcgtacgg ctttctgggg tgacctata ageta-the	gag 43200
ttggttttcc gtgtccacaa ataacaaggt ttgataatag ggcatgctgg gatgggg	tct 43260
gatetgetet teaagacete gggttgtgga gagcacett tecetetet ggggatet	aag 43560
agggactatg atgttcaccc gcttccaatt ttgtdaagta cgccccttag agaaactc	ttg 43620 caa 43680
ggctagagte teattataat gtggttggae aggettteg gtaatgtatt ceagtagt	ttt 43740
gcataaagaa tagcttcttg atcttgagga gacgcactcg ttagcaaatt cctaagtg ggaagaaagc gtttttgttg gtattctccg atcttcaaag ctgtggcact ccgaatcg	
cttttcttgg cagctaagag atcccgaata taagcatcag attcttcagt ctccaagc	rcg 44160
aggaatattg ccgcagatag gcattggatt tcttcgggaa gcttatgaat gaaagaat	gt 44220
atgacaggat agggagatge taaaggettta aacagtaagt egteagaagt teteaage tgteetgaga etgeegataa aacagtaga tgteetgaga ttteecaa	gg 44340
tgtcctgaga ctgccgataa aaccagtagc tgctgcagg ggtctgcagt ttccctaagtaggagagaagaaga cgtccaagag ttctgaagat tgctgcagg ggtctgcagt ttccatag	ga 44400
tgggagagca cgtccaaggc ttctgaagat cccgccaggc ctgctccaat gatggtgc	ct 44460 tt 44520
tttctagttt geggatetga ggagtggatg ettgettga gatagtette teegatet	tt 44580
cttaaaacga agaagtcatg atcaccgtag gcatctagag cttccagata tgttgcta	ag 44640
gcctgctgtg tagattgcgt acttatataa aggatettat gacctacaga etcaggga	at 44700
ttagcaacaa gagaaatggg aagactacac aataaaagtc caaagagagt tagatgga	at 44760
cttgaacatt ataaacacat ccategood gcdagtattt caatgtttgg atagggag	ac 44820
cataaqcqcc acaattattt aatgttaatt titteddaat caagccacca tggcaaac	gt 44880
Caggaatcat agtaagtgaa atctgaggag tataggactct atgcggtg	at 44940
gtaatacqqc aatactqtq accacataat control to the control of the cont	at 45000
ggatagcgnn tgctttgnct tgaggttttg tgaaaatacg gccatcgtaa gaaacaatatatgccagt gaggataata cagtcacaa	ct 45060
tategecagt gaggataata cagteacaag gegaaataeg gecategtaa gaaacaata tttgtgegge aagttettgt grafaggeta taggatag etcagaaact geatagge	ag 45120
tttgtgcggc aagttcttgt gtataggcta taggatcccc agagtagctg actttactc	ct 45180
catcaaaatt tgaaggaatg acagtaaagg gaacacggaaa tttttctaaa ataaattt	ct 45240
ttcttggcga agaagaccct aaaactaaag gaagggacat agaataaaag ctcctcgtg	tc 45300 gt 45360
	ar #3300

tagatacatt acaacaattg cttatgacct gcagtatagt ctaccatagt tccatcgaag 45420 aatgtaatct tatctttatc aaagatcaat aacttcgtag cacaatcttg aatcagtcct 45480 ctgtcgtgag agacaaaaat cgctgtgccc ttatagtcat tgatagccca agaaagagca 45540 gacacagact ctaagtctaa gtggttgttc gcttcatcaa ggataaggac attatggttt 45600 totagoatoa toccogocat gagaagacga gotgtttoto otcoagataa tgottggatt 45660 tgcttgaaag catcatcgcc tccaaaaagc attttcccta acacactgcg gatttcttga 45720 togttaatto oggttttgog attgogtano actoaaatag ogtttottga coacaatoag 45780 ctagaacatc gctgtggttt tgaggaaaat atgaacagat agcttgatgg cctaacttga 45840 tacttectga agaaggagee teaacacetg caagtaaett cattaatgta gttttaceca 45900 atccattgtt cccgataata ccaagettgt ctccttgata aatctctaaa gaaaaaggat 45960 ggattacctg atgatcccca taatcctttg taatcgcttc taaagacaaa acgactttcc 46020 ctgaggattt gtcagatagg gggaaacgaa tgtaaggacg ttggatattg gattttttta 46080 attettgtgg etgaagette ttaatetete ttaategaga etgeaettga etegetegtg 46140 atcccgcacc aaatttagca acaaattcct taagctgaga aattttcttt tccttagatt 46200 tgatgtcggc cttttcttgc tcgcgagacg cggttttcat ctctaccata tcgtcatagt 46260 ttccagggta gataatgatc gtgtcgtaat caatgtcagc aatgtgagtc gtaattgtat 46320 ttaagaaatg acggtcgtga ctgactacaa tgacagtgcc ttcataatct tttaaaaagt 46380 ttcccagcca attaatggaa tagaggtcca agtggtttgt tggctcatca agaagaagtg 46440 cttcggggtg accaaagaga gcctggcaaa gaagaactcg aaattgtagg tctatgggaa 46500 tcatagccat tttcttatca aacatctcat tggggatgcc aatgcctgtg aggagttctt 46560 cggcttctga atctgctcgg tacccatttt cctcgccgat gatctcttca atttcaccaa 46620 gctccattcc aatggcgtca gtaaattctt gtagatagag attatcacgg cgttgtaaag 46680 cttcccaaag acgagtattt cccataatga cacaatctaa gactgttgtg tcgtgaaagc 46740 tategatatt ttgacgcagg atccccactt ttttaggtaa ggaaatcgaa cctcttgtag 46800 gttctatcat tcccataatg atttttaaaa gggtggactt tcctgcgccg ttaggaccag 46860 taagaccgta gcagttcccg gggttgaaaa cgacggaaac atcatcgaat aaaattcgag/ 46920 tgcctaaaga tttgccaatt ttatctaata ctatgctcat agcagacagc ataacaaagt 46980 gctgcttaga gtacaagagc tttgccctgt tctcttaggc atggggatgg gcttcttggt 47040 gggtctgttt ttttaacttt acagagactt gcgtatagac cgttgttgtc tctaaagaac 47100 tatgaccaag aagtgcttgg attgttttta aatccatacc actctctagc caatgggtgg 47160 ctatagtgtg acggattgta tggggggtga tgtgccctga aagtccagaa cgtcgaagat 47220 attettgaaa acttetgtea atagategtg ttgaaatgeg eeteecaaag egattgagaa 47280 agatggcttg aggatccttt tccaaacgct ttctatccgg atggttcagg tagatttgga 47340 tecattgtat ggcattegat gteaegggaa taateettte tttttteeet tteeeaegga 47400 tgcgaatcag atgagtactc aaatcaaagt cctgtttatt aacagcgaca atctcactaa 47460 tectcaaace egaactatag aacageteea tgagacageg ateaegaagt cegtgatatt 47520 tagaaatgtc aggagtcgcc atcagcactt caacttgcgc ataggtcatc ggggaaggca 47580 gctccttagg aagacgaggt ccgtggatag tttccgcaga ttttccaaaa gaatcttttg 47640 aataacacag taatgggcaa agcttttaat ggaagagagg caacgcttaa ttgttctctt 47700 agctttgcca ttttctatca gtttcgcgat gtacatgcgt acatgctctt tggtgaataa 47760 ggaaaaagga agttcagaga ctttgcgctt ctctgtggct aactgtaaag gagaagaagg 47820 agcgaggtta ccacgttccn ctaaaaaaat tttcaatcca ttaagatcta gacaataatt 47880 tettaatgta tgeggagagg caetttttac cattttcaaa tagtetaaga acgaatagat 47940 agaggcaatc ataacttctc tttaccttac aataaagatc gtaaaaagac ttcctcttag 48000 ctttaggaag gctagcttct tactattctt tccgagctat ttatttagaa gaggattttt 48060 cggaaagggg tagctgcgat attcttgtgc tacggacaca ttaggaaata ctgccgaggc 48120 ttctttataa aaatcatcca gatttaagta acgtgccgag aagtgtgtga gaataagctt 48180 ttgtgttgcg gcacgtttcg caagagtcgc cgcttgtttt gcagtcatat gaaaatggct 48240 ctcagcaaga tggcggtgct gttcgaggta ggtgctttca cacaacatca tgcagctatt 48300 ttttgcgaga tctatagcag cttggcaagg caaagtatcc gcaataatcg caatgctatc 48360 eccettgegg aegtagetaa cateactaag atatacegta gaacegeeta tegaaattte 48420 ttggtcacga ataagatctt ggataatcag accacgaatg cctcgagatt ccagctcttt 48480 aggaagaaat tttatagtgt ctggttccgt gattctccat cctaaagtgt ctacttggtg 48540 ttggagtcgc tgtgcttcaa tacgaaaact accaaaatct tcgacaattc cttcctcaga 48600 gattggatgc tccaccacct ggatggtttc gtgataaatt gttccataac gtaagcggtc 48660 aaagtatttt ttccctgaag caggatagta gcaatggata gggtgcgaaa ccttgtccaa 48720 gttaagacgc atcaacatgg agcctagacc caaacaatga tctccatgga aatgactcac 48780 aaaaattcta ttgactgttg taggagcaat atttgcaaag atgaattgcc tttgagtgcc 48840 ttcaccagga tcaaaaagta gaccctcacc attccagcga aataggtagg cfccttgatt 48900 gcgtgttcgt gtaggctgtt ggctcgagca ccctaaaata attaactctc tagaactcat 48960 aaggatttac tttaagaaaa agtcacagaa taaactaagt gaaattatat acgccactac 49020 aacttttgaa tgacaacttt tttatcattt aaaattttgt tttcttataa ctcctgcatt 49080 gttgtcttca tatttatagg aatcgcaaga tagttatggg tctgtcggtt gcttgcagaa 49140 ccaagggagt atcgctttcc gttgtacggg tggaggagat gaagaatcag aactctcatt 49200

gcctgatgat tgatgttcta gatcttctat agggaggggg acggtttttt tcaatagcac 49260 aggttttett tttttegaeg gaaccatggg ttttggtget gatetettat gtatgetaet 49320 tgtcgttcta tgtaaggagt gtttagtttt cttcttcttc tttgagcttt ctgttgttga 49380 agttttagac cettttgtag ttgccgtatg aggtgetttt ceettggett tgcgatggag 49440 ttcaggggaa gattcatcag aggattcaat ttcagaagaa cgcttgcttt gcctaggtga atggtgttca tcagagatgt gaggactctc ttcaccactt ttgaatttgt ttgttacata 49500 49560 gttgacgcct ttttctaatt gcgttcttat gaagtttttt ggttcgtggt catgatgtgg 49620 ggagagttgc gggctccctt ttctagacgc agattttgta ggttgtgatt cagaggcatc 49680 ttttggggca atttcttttg tttttttgt ggatatccaa ttaatgagac acggattgaa 49740 aatactcaag agcactagaa gtgccaatga gcttaaacaa agaggaattc ctacagaggg 49800 aataaacatg cacagcatag ctccaacaag aactacgacg acgagaacgc atataatgat 49860 taggtaagca atgttgcaaa tgtctcgaat cgatttggaa ggagccgctt gtttgatcgg 49920 ttgaggttta tggaaatacg aagtcactga gttgcgcagg ctaggaataa gatgggacat 49980 agcaaagtta gattaaagct ctctgaaaag aacagcttat gtattcaagg tctgtttgta 50040 aatatacaga cttttttata cgcattaaat ctaccttaat gcgtataaaa atagtgattc 50100 tcaagagaac aagggttcaa cttggctttc tattttagct tgggaaaagc aactttgaga 50160 acatcatcat agtgtgaaac aaaatgtatt ttcaaccctg ttttcagata tgcaggaagc 50220 tettcatagt etetacggtt gtettcaggg aaaatcaaga tgttcaatcg tgatettega gctgcaatca gtttctctcg aatgcctcct acacctaaaa cacgacctgt aagagtaatt 50280 50340 tetecagtea tteccaaatt atteaetace ggagttteea acageaacga aaggagagag 50400 gtcaccatag taattcctgc agaaggaccg tctttagggg tggctccctc aggaatgtgg 50460 atatgtactt gagactttgg aaagaacgta tagcctgggg cataccgatg gagagcactg 50520 tgaaggtagg tecaagcaat etgagaagae teetteatta etteeceage etgacetgta 50580 aggtgcatgt ctgttttgag tgaggacacc tgtacacttt ctatatataa cgttgctcca 50640 cctaaagagg tccaggcaag tcctgtggcc actcctacag gagtggattc atagaagcga 50700 togotagaaa atatoggttt oootaagtag gtotgoagat ttttogaaga gattttaaaa 50760 gtaatettet tagatttggg tttttettga ttttgaacaa tetttaaage aacttteete 50820 aatacttttt tgatattccc attaagagta cgtaccccag cttctcgtgc atagttattg 50880 atcatgtact ttaaagcttc aggttggaaa ttcacttcgc ttgctgttaa accgatttct 50940 ttgcgagctt tgggaactag atacttttta gcaatttgaa gtttctcttc taaaatgtag 51000 ccagaaagtc ggagaatctc catgcgatct aaaagaggat ccggaatggt atctagaaca 51060 ttggcagtta aaatgaatag tacattggat agatcaacac gtacgtctaa ataatgatca 51120 agaaaatett tgttttgete aggatetaaa acetetaata aggeagagge aggateteea 51180 tgataactcg caccaatttt atctacctca tcaatcataa tcacaggatt catagcttgg 51240 ctttgcttga gcgcctggac catttttcct ggcattgccc caatataggt gcggcgatgc 51300 cccttgatct cggcctcatc acgcatgcct cctactgaga aacggaagaa ctttctatgc 51360 aggactttag caatgtgcgc cctatgcttg ttttcccaac tcctggaggg cctacaagac 51420 agatgatact teettttaat eetttggaaa gettaeetae aetgattaae tegagaatge 51480 gttgtttaat ctcatcaagg ccatagtgat ccttgttcag gacgatttct gctttcttta 51540 agtcatggta ttctttactt tgtatgcccc aaggaatgat tgtcagccaa tccaggtaat 51600 tgcggcatac ggtatattcc gccgaagaag tttctaaagt ctgaagtttt tcaatttcat 51660 cttgaatcac ttccatagca taatcaggaa catggcgttt tcttagcctt tccgaaaact 51720 tetetatate aatagegegg tettetttet etaaceceag ttettttta ntegttttta 51780 actgetettt taagaagaat teettttgge ttttngtaat egtagettea attttttgat 51840 taatgctgct ctggaggcgg cttaagtcta attccttttt tagtaagatc agtgccttat 51900 caatgegate atgeatgttg gtggteteta agaeetettg gagetettee egagttgetg 51960 ttgttaaage aacagagaaa teegeaaget tgeetggtte agtaaaatee gaatgaceaa 52020 gaaaaatttg tagttettet ttaaagagag gatttagttt taaaaggtet ttgatgacag 52080 agacaatact aatagagtac gcttttagct cttctgtaag ctctttattg tccgcatgat 52140 aggaaactcg agctttaaga tatttgtctt taatgggttc tataatccga atacgctctt 52200 caatgcttaa aagaacttga gcactgccac cctcgattgg catgatacgg aggattcttg 52260 cggcaactcc agttttatgc agctggttga agctcacttt taaaatatcg gcgttctctt 52320 ttttggttaa gacaagacca atatattttt gagacgactt cgctaaaacc tttaatactt 52380 cataataagg accegactea ataagaatgg gageegeeat teeggggaaa aaaggtegtt 52440 tatttaatgg caggataaat aactcagaag gcagcaaacg ctccgtagac tgatcttcgg 52500 attcctcttc agattcatct aaaagctttt caacatcttc tggatttgga tctaagatgg 52560 gggagtcgct attggttgta gagtccacaa ttgtccttat gctcggctat atttgtctgt 52620 cgctccagta aatacggctc tttttctcta gggtaaaaag agggagcgat tttaaaagat 52680 tgcatatttc gctatactac aaaatagatg caattaggcg catatataca acttctaaaa 52740 aatatctaga agggattaaa gattaggaaa gactcgtgtt taaggcaaat cgtcttttt 52800 tattttttca aaaaaatag tttgtatcta ctgtttaaaa ttgctcagag ataagggatt 52860 aagaaaaact ccattgtttt tgagtttttt acttttatag ggggtagatt ttccaaggga 52920 aaaacgtcag tagtccaaat ccagcctttt tgtccttcgt ttgcattgaa ggtaaatgca 52980 gggatcggaa gacaaaagaa cacgettgea ttgtttttaa tttaacagee attteetett 53040

gttgttcttt atgataatta agagcccgtt cctcgcctga aatatttgga acagatacca 53100 aggaatgaaa atagaagtta gggagaaggg aattataaga gaagccaata tcttgctttg 53160 gtgaaggagc ttgaccaaga tctgtgattt tagtgaaaga aaacccttct tgtataagct 53220 cgttataggt ttttccagaa cgcactaaaa tgtgtagcgc atgaattttc tttaatgttg 53280 taggagatgg taaaggaaga ctgaggtttt cttggtcagg tgtaagtgtt tttttccaaa 53340 teeteettet taacatetng gattagaeea egataettga ngaataagat aatnegtaaa 53400 acgatettaa taaagagage tagaateaga ggaagaatta aaatatagga gagaattttt 53460 attatttttt cagatttcga gattgggagg gcatgatcaa cagatagaaa ggtagctcca 53520 gaaactcctg tgatgataac agaagtgtct cctcccaaat gtaaatagtg ttcaacgata 53580 ttggaacatt tttcaataat gccagagctt tttcctaagt aaggaagaaa agataaggac 53640 tgatccgaga agactatagg atgaaaaaac tgaagaaaca tacgttagaa tttttatttt 53700 ttttatatta taacgtacta gccttcaaaa agtaactatt ctttatggct tagtcttgtt 53760 tototcagaa titagataaa cataaaatti gatottoagi tooataacag aacgaotoca 53820 aataatetet tgtaattgtg eggeeatagt tggggggatt ettggatett caateteaaa 53880 tgaattcaga tattgaaaac gggacgtccc atagagaata tcggattggg tagcttctcg 53940 tttgcctagt tgttggcgta agcttattaa actactctta atagaagtag ttctcaattt 54000 gatttgaaat titticaaga gitccigacc ccctitccta agcaaggaag aatcgagtag 54060 cattgggcgt aaaagtatat aggagtaaca aaatcgcaac ccatcgttcg tccttatatt 54120 tagagcggcg aagaatctaa tgtatctgaa taaattaaaa caataaatgt tttcatttct 54180 ttcattttta tttgattaaa aggggtttgt tggtatagtt tattttttta tatcaaaaat 54240 cgacgcatgt acttctataa gtatgttatc atagatactt ctggatacta tccattctta 54300 gcttgtgtgg ataatcaaca agtgctggag cattggtctt tgccagtcgg tccagatctt 54360 ggaattgttt tagagtttct ttttaaaaagt aaaaatctct cttttcaggg agttgcggtg 54420 getetaggte caggaacttt tetgeaacae ggatagggat ttettteget caaggattgg 54480 caatggcaaa gaatgtgcct ttgctaggat atagctcttt ggaaggatac ttattatcta 54540 aagatgaaaa aaaagcttta atgcttcctt tggggaaacg tggaggcgtc ctgactttaa 54600 gctctgagat tcctgaagag ggcttgaatg aaaaaaggag aggggtgggg ccgggagctt 54660 tgctctctta tgaagaggcc tctgattact gcgttgctca tggatattat catgtgattt 54720 ctcctaatcc gcagctcttt gcgagcagtt tttctgataa gatcaccgta gaagaagttg 54780 ctccttcggt agaacagatc cgcaggcacg tgatttctca attcatgttt gtagaatatg 54840 acaagcaget eteteetgat tacegtaget atteatgtat tittigatit gtattiteta 54900 aatatttttt acattgttgc ttccgaatcg attcaactat cccttgaagc ctaatagaag 54960 tagtggtaca atcgaggctc ttctaaaaga catagtaaaa agattattat tgtgtttata 55020 gaaggccaga gatttgttat ttattgcgta ataataaggt aatgcatgcc cagtgttaaa 55080 gttcgagttg gagagcctgt agatcgtgct ctgcgcatct taaaaaagaa aatagataaa 55140 gaagggattt taaaagctge taaatcccat cgcttttatg acaagccttc tgtcaagaaa 55200 cgagctaaat ctaaggctgc ggctaagtat cgtagtcgtt aattggcaat gtcgtattcg 55260 ttggtagtgt ttcaggtatg gattattatt caattttagg catttctaaa actgcttccg 55320 cagaagaaat taaaaaagcc tatcgcaaat tagctgttaa atatcatccg gataaaaatc 55380 ctggggatgc tgcagcggaa aaacgcttca aagaagtttc cgaagcttat gaagttctca 55440 gtgateetea gaagegegae tettaegate gttteggtaa ggaeggteet tttgetggag 55500 ccggtggctt tggtggcgct ggaggcatgg ggaacatgga agatgccttg cgcactttca 55560 tgggagcett tggeggagag tteggaggtg gaagettett tgatggtett tttggtggge 55620 ttggtgaage ttttggaatg egeteagate etgeaggege tegteaagga geeagtaaga 55680 aagttcatat taatttgact tttgaagaag cagetcatgg tgttgagaag gaacttgtag 55740 tttctggata taaatcttgt gaaacctgtt ctggtcaagg agctgtaaac cctcaaggga 55800 ttaaatcctg cgaacgttgc aaaggttcgg gacaagtggt acagagtcgt ggattttct 55860 ccatggcctc tacatgtcca gaatgcggtg gcgaaggccg tattatcaca gacccttgtt 55920 cttcatgtcg cggccaagga agagttaaag ataaacgtag tgtccatgtg catatccccg 55980 caggtgtgga ttctggaatg cgcttgaaga tggaaggcta tggagatgca ggccaaaatg 56040 gageteeete eggagatete tatgtettta ttgatgtaga gteteateee gtatttgage 56100 gtcgtggaga tgacttgatc ctagagcttc ccattggttt tgtagatgct gctctcggta 56160 tgaagaaaga aattcctacg ttattgaaga cagaaggatc gtgtcgtctt acggttcctg 56220 aaggaattca aagtggaacc attttaaaag taagaaatca gggctttcct aatgttcatg 56280 ggaaaggtcg tggagatctt ttagttcgca tttctgtaga aactcctcaa aatttatcag 56340 aagagcaaaa agaactttta cgtacttttg cttctacaga aaaagcagag aactttccta 56400 agaagcgtag ctttttagat aaaatcaaag gttttttttc tgacttcaca gtataagaag 56460 gagaaaagac cgactttagc tgagagagat ccatgggagt agtacaaaat caagttattt 56520 cttctataag agatgtttta aagctagtct gggaattgcg gttcgcagag cataagatgc 56580 tteteetete taggeagage ggetegggeg geacatttea gttgtettgt geaggteatg 56640 agettgeegg egitetiget ggtaaaagte teatteetgg taaagaetgg teetteeett 56700 attatagaga tcaagggttc cctataggct tgggttgtga tctctctgag atctttgctt 56760 egtttetage tegtacaact ecaaateatt eetetgegag gatgatgeet tateactatt 56820 ctcataaaaa attgcgtatt tgctgtcagt ccagtgttgt aggaacacag tttttacaag 56880

1 =

ecgcaggteg tgettggget gtcaagcact egtcagetga tgaagttgte tatgtttetg 56940 gaggcgatgg agctacatct cagggtgaat tccatgaaat gttgaacttt gtagcactac 57000 accaactgcc tttaatcact gtaatccaaa ataatcattg ggcaatttct gttccttttg 57060 aagaccaatg tggagccgac cttgccagct tgggtcgttg ccatcaagga ttagctgtct 57120 atgaggtaga tggaggcaac tatacttete ttacagaaac ttttteteat geegtagate 57180 aagcgcgtca acattcggtg cctgcattga ttttaatcga tgtggttcgc ttgagctctc 57240 atagcaatte egataateag gaaaaataae eeteegettt agaeetgaaa etateeatgg 57300 ataaggatcc cttaatcctt ctagagaaag aggctatcaa tgtttttggt ctgtctccct 57360 ttgaaatcga ggagatcaag gctgaagctc aagaagaagt tcgaaaatct tgtgagattg 57420 ctgaagctct teetttteee tetaagggat etacaageea tgaagtette teteettata 57480 ccgagactet cattgattat gagaattetg aaagegetea gaatttgegt aactetgaae 57540 ctaaagtgat gcgtgatgct atctccgaag cccttgtaga agagatgact cgagattctg 57600 gagtcattgt ctttggtgag gatgtcgctg gagataaagg aggagtcttc ggtgtcacca 57660 ggaatttgac agaaaaattc ggaccacaac ggtgtttcaa ttctccctta gctgaagcaa 57720 ccattatagg aaccgccata ggcatggcct tagacgggat tcataagcct gtcgttgaga 57780 ttcagttcgc agattatatt tggccgggga tcaatcagct attttctgag gcctctagca 57840 tctactatcg ttcagctggc gaatgggaag ttcctctggt aatacgagcc ccttcaggag 57900 . gctatatcca gggaggaccg taccattcgc adagtataga agggttccta gcacactgtc 57960 ctggaattaa agttgcctat ccttctaatg ctgctgatgc taaagctttg ctaaaggcag 58020 cgattcgaga cccgaatcca gtagtgtttt tggagcataa ggccctctat caaaggcgta 58080 tttttagtgc ctgcccagtt ttttctcatg actatgttct gcctttccgc aaggccgcta 58140 ttgttcatcc cgggaaagat ctcacgatag tttcttgggg aatgcctctg gtattgagtt 58200 tagaggttgc tcaggaatta gcctctcggg ggatttccat agaagttata gatttgcgta 58260 ctatggtgcc ttgtgacttc gctacggttc taaaatcctt agagaaaacc ggaaggttgt 58320 tggtgattca cgaggettca gagttttgtg getttggeag tgagettgte getactatgt 58380 eggaacaagg ataegettat ttagatgete etateegteg tettggtggg etteatgete 58440 ccgttcccta ctctaaggtt cttgaaaacg aagtgcttcc tcataaggag tctattttac 58500 aagccgcgaa aagtctcgca gaattctagg cgattctcca gcttctttct aggccgggat 58560 tttaattcaa aaagagagcc cgacacgctg tttgtagagg tacttgggag atgctattta 58620 ctgaaacatt agagagtgcg tactcttctt tggatgctaa taaaatgcgc acggattcta 58680 aaagagcaag atggcaacaa ctctcccatg tagtaaattc ctcttgatct gcgctgaggt 58740 tatttaatcc aaaaacttct aactgtacac tttcaagatt gtgctcaata cagatatcaa 58800 agcattgcaa ataagccagt actaaattag taaatgcctc tttcatacta aaatctttca 58860 atgtaattgc gcggcgcatt ttttccttaa tgagagtttc taatgtaggg ggattgataa 58920 caatcagatg agaggtgtac agttgcgcgc cctcttctac atcccaaggg ccagaaacgc 58980 atgaacctat aggcaagtgt ttttctggag tgggaatgtt gtttttgatc ttttcccagc 59040 agctcctttg taaacatgtt gtaacagcaa acgctcttcc taatgttgtg gagaaatcca 59100 tgctagaatg tgaagagata acaacagccc ctgattttt atttagaatt ttatcatgag 59160 aaaaatgtcc tttaaagcag tgaaaacgga atccagattt ttctttagat ctcaggagaa 59220 tacttgctag cttgttggaa tacttacgat cttcgggtct ggtttctgga tctagagaga 59280 atagctgctt gagtaacgaa aaacaagcct taggatcata cgtagaggga taatgtatat 59340 caggattgca ggtcagtttt gttctatcga ctttaggtag agttggaggt aagggtattc 59400 ctggagctgg cgcgggtatt tctggagtta gtgtgggtgc tcttagagtt ggtgagggtg 59460 gaggagtggg gagtggctca ggaatcttag gtttttctag gtagtgtata aaatacaaca 59520 acgtaaaagc aataaagact gcggtaagta tgaatagagg catggtgatc tctagggaac 59580 accctaggca aatggcaaaa actcccccta ggcaagatag gaatgctaaa atggcaaaag 59640 caattgcgtt gactattgaa gatggagttt ctttcttgcg ttgaggttta aaaggtgcct 59700 gcgtggggat tgtagggata tggtcaggag aagaatctgg atccggaaca ggcggtgtct 59760 tctgggatac aatagaggag tcgggtaaag atggagtcga tatttccgcc ataagaattc 59820 ccctacaagt tgttggcaat aaaaaattta cttaatttta atataaaaac aaatcagaaa 59880 aacaaagatt attttgattt gtcattagaa tattgttgtt ttatagggtt tcgatgaagc 59940 gataagaagt cgcagaagtt gatgcatagg gggagacgtt tgtgcgtaaa attccaatga 60000 agaataaaat aagagaagct aaggtaagca tccaaggagg gacaggagca aaggaaagag 60060 tetttaggat attggggttg tgtagecaag gatgtgagag gaateeetgg ataagegett 60120 cggtgatagg ggagcaacat ggcaagatga ttgttgcaat gaggaaaaca atgatgggga 60180 gaatggtaaa aggaacaatg agattataga ggagaccctc aaggggtaag ctcccaaagt 60240 actgcatgat tggcagaaca ataaagagtt gtgccgatag tgaaattgcc aaagtcatgg 60300 caagatagcg gataggatac aaccaaaatg gagagagaaa ctgagtccaa ggggtgtaga 60360 gaaaggaaaa gatetteggg aaaaagagta gaateeecaa egtegetaag aagettaaaa 60420 caaaggtagg agagaagcgc gaaaaaaaga tagaacataa aataaagcct gcgcctagac 60480 gatttagccc cgaacaggac ccagaaaaac accatgaaaa acaaagtagg gttacggaga 60540 tccaagagcg ccataccgag agagacatag ggaaaataca ggatagagaa gtcagaacaa 60600 tgaagettaa gatttttttg atttttaaag gaagaagage acagageate cagagagtag 60660 tagcacacag agagaaatge cagecegaga tagcaaagag atgagataac eetttttgte 60720

tgaagaggtc	tctgagattt	tgaggaaggg	gagttcctag	cagaagactc	gaagcaaaqq	60780
ggcctacctc	agaagagga	aacctatggt	tcaggaaatg	gcagctagat	tctcggcatt	60840
tctcttcat	gatatagaac	ctagacctag	gaatttett	gtagcaagca	ttagacttaa	60900
aaacaatttg	agatgtatga	tgtagtgtcc	cttcgagete	gtaaaccttt	ttaagcteta	60960
aacgggattc	tgatagaatt	tgacacnaga	ggtggtgggc	tcttttnccc	acagggggtc	61020
tgaatacaaa	gagcttctcc	gtagtagntc	cttgccccc	tacataataa	atcacaaaag	61080
tccctgatat	agggccgtca	tggaggaatg	gcgcaggagt	taacatcaaa	gaaatgatcc	61140
aagcacttgc	taaagggagc	cattgtttag	gattacaaaa	aaggaacatt	CCtaagaaaa	61200
taagaatcag	agcactacat	tctgggtagc	cacgggatgt	gatgccagca	acceataca	61260
occcacataa	gaaaatagga	tgtctttgtt	ggaagcactc	acaagaggg	Cataataaa	61320
tgagccaaga	gcttatggga	tagcgaaaga	aaaaagatga	aaaaacctga	Caaccattco	61380
acatttgatg	ttcgctcttt	ctttcccttc	gatgtgttat	gtatagagga	attagagaaa	61440
gaaatgtctt	gggaagtggt	ttcagcgaag	atcccccctc	ttcctcaaaa	gtagtagaa	61500
ctcatgggac	tatcaaaaga	agatcgtata	gatttttgct	tagacttota	grantagag	
ctagggattg	accataaaca	atctccaagt	atttatatt	tttttatt	graceca	61560
attgaagttt	acatctatco	cttggaaaaa	gaacettate	aactaaacat	actagagacc	61620
ttccataata	acacctateg	gtttcaagga	gaacctcatc	ttetagatt	this	61680
cataggggg	ctcctttacc	gccccaagga	taggetteett	ttttatatatat	tradgggcat	61740
ttcccc	gagagataa	ggaccgccat	cacyayaaat	atttace	ccataatgga	61800
cccygyaaac	gggaggatga	ggggattttc	cccatgaggt	cuttagcaaa.	ggtacaacaa	61860
aaattacgtc	ageagetegt	tgtaatgaat	aagatgcagg	cggaagataa	ttgttattct	61920
ttaggtatet	tteettttta	tggctatgaa	gageettttg	cttatcagag	tttcttttt	61980
gatcctgaaa	tacgcagaga	ccttccttct	ccgaatgtgt	tgttaaatga	agagagcttg	62040
gagcatcgaa	gcttagaaac	tattgagttg	ttgcatctgt	ctaagagcta	ttatccttct	62100
		ctatctacat				62160
tegeacttat	ctagaaagtg	agaaagatac	acaagatcag	atcgaagagc	tccaggcaac	62220
ttgtatagtt	aagaatgcag	caggaatcca	tgtgcgtcct	gcaggtgtta	ttgttcgact	62280
		atgtgcattt				62340
		tgttgggagc				62400
tagaagcaaa	gaagctcatc	gtatcttaca	aaagatacaa	gatgcgttta	gttccggttt	62460
tggagaacta	taaatggata	cacagtcctc	tataggtaac	gaagaatggc	gtattgcagg	62520
		tggccttagg				62580
gcatgttcgt	gagctgactc	tacctcaaga	agaagtcgaa	catgaaatac	atcgttatta	62640
taaagctttg	aatcgctcga	agtctgatat	cgtagcttta	gaacaggaag	ttacgggaca	62700
gcaaggcctt	caagaggttt	cctctatcct	acaagcacac	ttggagatta	tgaaagaccc	62760
tctccttacg	gaggaggtgg	tcaatactat	ccgtaaggat	cgtaaaaatg	cagaatatgt	62820
		aaatagaaga				62880
		atatccatga				62940
ttgccaacat	aagagttctt	taggagaatc	tgatcagaat	ttgatcatat	tetetgagga	63000
attgaccccc	tcagaagtcg	ccagtgctaa	ctctgcctat	atccgagggt	ttatctcatt	63060
agtgggagca	gccacatcac	atacagctat	catctcacaa	gcaaagagca	ttccctatct	63120
tgctaatatc	teegaggage	tttggaacat	cqcaaaqcqa	tataatggca	agttagtctt	63180
aatcgacggt	tatcgtggag	agctaatctt	taatcctaaa	ccagcgactc	tacaaaacto	63240
ctataaaaaa	gagettteeg	tggttgccca	tacctctcag	agattagtaa	gaaagtccct	63300
		atgcaggcag				63360
		gcctctttcg				63420
					ttcctggacg	63480
					ctggaataaa	63540
aaataagaaa	geaccycyce	taccatcatt	ggtagagat	adaccecegee	ttgaggatca	63600
		cctctttgca				63660
		tagaagtcaa				
cactasasa	cccyagacta	tattagggga	aaayaaatyy	gagaccatcc	agacgaggtt	63720
					gcagtttgga	63780
					gaccttgtcc	63840
					gtaactttgc	63900
					atcaggttcc	63960
					ttataggcct,	
gggagttcaa	gagctctcag	tagctatgcc	tgtaatcaat	agacttcgca	atcatatcgc	64080
cctgctagag	rrgaactcct	gccttgaaat	tacagaagcc	cttttacaag	ctaaaacatg	64140
					aattccatta	64200
					gtgttttcta	64260
gtcgtgccaa	tgtgcaatag	gaaaaaatac	caactccacg	gcggatctct	agttctagaa	64320
					caagtttgaa	64380
tgcagcacgg	aacaagtctt	caatgacttc	tggatcttca	gggtctaagc	acgtaggttg	64440
					gaccgttgcc	64500
agcttgccct	tcgtaacgct	tttctaatag	tgaggcctcc	atttctagga	attgctgttc	64560

```
cataatttta gettettttt ttttettage gtateegetg cecatgetta tetateetta
 ggtgaaatat tgatctttcc tctcatgaaa ttttctaaga ggttcttgct tattgtctta
                                                                      64620
 aaattcctga aaattctaca acagcaaact gtaataatgt gtctacagct gcagatttta
                                                                      64680
 ttgaagetga gettttaaet tetacagata taattttace tteegeagea ggttgatttt
                                                                      64740
 ttttctctaa aaaactctgt tetttgtagg tgggctgagg ttgaggaget gatacttgct
                                                                      64800
 gcgtcaaggt gggctcctta atattgcgaa gcccttcaaa ctgccgactc ttaatagaag
                                                                      64860
 agatcaactc tgataaaaca ggcctttgat aaatgcgaat gatatgaatg atgacggttt
                                                                      64920
 ctaaaaatgt ctgttcgaag atggtatttt gtaggtgctt agcagattct ccaaggaaat
                                                                      64980
 ctattatttc tagaagctgc tccgtcttat actgagagct gaacttgctt gttgtagaat
                                                                      65040
 tcgtaagaag aagattacga taaaataatg taaggtcatg gagaaatgtg acaggtgcta
                                                                      65100
 ccccagaatt taagaagtcc gttacgatcc ctaaggctgt cgcatagtcc ctttgaagaa
                                                                      65160
 tegeattgte taaagteegg agagaatett gggaageaaa geetaaaget tgggcaaceg
                                                                      65220
 tgtcgggaga gagagattta ggaaataaag atattacgta ggtcataaag agattctgca
                                                                      65280
                                                                      65340
 tcacgcaage tteettgtge tgcaegggeg ateggegeea atgettettg egaegeetea
 atatggtcat cttgagccat aagcgatagc ttctccagga tcgttttttc aggaatcctt
                                                                      65400
 tgaagatgca ttttttgaca acgacttaaa atagttccgg gaattttatg gatttctgta
                                                                      65460
 gttgcaaaga aaaattttac atgttgtgga ggctcttcta aagtcttcaa taaagcattg
                                                                      65520
 aaggetteet tagtgageat atgaaettea tetatgatat aaattttaaa etttgetttt
                                                                      65580
 acaggagtga ataatacagt ttcattaatt tgacggatat cttcgatacc acggtgggag
                                                                      65640
 gctccgtcaa tttctaaaac gtctaaagag gatcctgaag caatctcttt acaagaaaaa
                                                                      65700
 cactggttgc agggctcgcc atcctcgcta agatgcacgc agttcagagc ttttgctaaa
                                                                      65760
 atgcgageta gtgtggtttt ceetgtacca egaatteeag aaaatagata ggegtgggeg
                                                                      65820
geteggttga agaccaagge attttttaat acagegacaa cagagetetg acctagaatt
                                                                      65880
tctcgaaaga tttgtggacg gtactttcta gaggatgctt ggtagggttg tagagtcatt
                                                                      65940
gtataaccaa gagaatgtgt atagaaagct cattttctca tttaagagat tttttcttga
                                                                     66000
agacetttte tgatttteat aagaaaatte ttttegeaga gatggaatga tttteettet
                                                                     66060
aaaatagaat ttgtgaattc ttctttagaa ggaaaatgaa tctctttgaa taaaatacta
                                                                     66120
tatattagta gettagtggg tttaacttat gtgtttgate gegatggeac cacagattea
                                                                     66180
taatgcaagt acctetatea ceacagetae eccetecce aacaetetgt agggtegatt
                                                                     66240
                                                                     66300
tettetegat ataaactteg egttttageg attactttt tagttettgg tgtgetttta
ctgatttcag gagetetett tttgaegttg gggataccag gaeteactge aggggtetet
                                                                     66360
                                                                     66420
tttggattag gtataggtct ctctgcgtta ggaggagtgc ttgttgtctc aggactacta
                                                                     66480
tgccttctag taaaacgaga ggtttcgaaa gtatgtcccg aggagattcc ggcagtacaa
                                                                     66540
ccagaagaga ctcctgaagg ggttcctgtg actccatttg agaagccagc tctagatgaa
                                                                     66600
gcccagaagg agcagaagac tcagaaaatt ttagatcagc tgcctcaaga attggatcag
                                                                     66660
ttagataggt atattcagga agtgttcgca tgtttaggac cgctgaaaga tcttaagtac
                                                                     66720
gaagatcaag gttttttaca agacgtcaag gaggagtttc aagtttttga ctttgttcaa
aaagatatga ttgcggagtt tgtagagcta cagcagattc tatgtcaaga agggaggttg
                                                                     66780
                                                                     66840
ctagagttcg taatcaatca gacacgatat ataggaagag atctttttaa aagagaggat
                                                                     66900
agtttatata aattatggga atggcttggg tatttacctt ctgggggatgt tcgaggggag
                                                                     66960
cggttaaaga aatctgctcg tgaggttgtg gatcgcttta tgagaacgac ttgtaacata
                                                                     67020
cggaagatag ccatgacttt tgataggcat gtttatagtg tggcgaagac ggcctttgaa
                                                                     67080
aaggcatttg gagccttgga gacgtgtgtg tatgagagta tgagagagag ttatagagag
                                                                     67140
gcattttgtg agtatgagaa ggcgaagctg cttggggatg aggagaagag tgcacatgcc
gagcaaaggt ttcaggatat aaagaaccgt tgggaggatg taaaggatgc attcttttgg
                                                                     67200
                                                                     67260
gtaaaagaag atggggaaga ttgaaattga tgatgcaatt ggaaacagtt gtaaatggag
                                                                     67320
tgagcgttat gaagagcaca ggattactcg agcaagatgg tataaggtcg cggagcatca
                                                                     67380
gttgtttaat gcgactatga gagtgaaaga ttcgttacga gagcataatg aagcaagagt
                                                                     67440
cgcttttgag aaggagagat ctaaggagaa tcagaggcaa gtccaaaaaa agaaagaaaa
                                                                     67500
gaggttgcga gatttaaagg aattgcatga tcaggagett ccgagagcac aggagaggtt
                                                                     67560
gagagagetg caagetttgt atcetgaaat tgeagtetet gttgtagagg ceaggagaga
                                                                     67620
ggtageetet gatttagaga aageteatga gagtattgae aageactate aaagetgtgt
                                                                     67680
tcgagagcaa gagctctact gagaagaaga agagaaacag gaagcggagt ttagggagaa
                                                                     67740
cggcacaaag attcgctcta tggaggaggt gtctgagtat cttcagcaag tagaaaatca
                                                                     67800
gttggaatcc tgttccaagc gattaaccaa gatggaaact tttgccttag gtgtgaggtt
                                                                     67860
ggaagetaaa gaagagatag agtetateat aetttetgat gtagtgaace gttttgaggt
                                                                     67920
67980
tatggcggag cttcctgtac ttcctataaa agaagcgctt accaaggctt ttgtacaaca
                                                                     68040
taacagctgt aaagagaagt taaccaaggt agagccttac tttaaagaga gccctgcata
                                                                     68100
tctaactagt gaaaaccgat tgcagagttt gaatcagact ttacaacgtg cgtacaaaga
gtcccaaaag gtttcaggtt tagaatcgga agtgagagcc tgtcgagagc agcttaaaga
                                                                     68160
                                                                     68220
tcaagtaaga cagtttgaaa ctcaaggagt gagcttgata aaagaagaga ttctctttgt
                                                                     68280
gactagtacc tttagaacta aatttagcta tcattcattt cgattacatg ttccttgcat
                                                                     68340
gaggttgtat gaggagtatt atgatgacat tgatctagag agaactcgag ctcgatggat
                                                                     68400
```

ggcgatgtct gagaggtata gagatgcttt tcaggcattc caggagatgt tgaaggaagg 68460 68520 aaagagtaaa aagaaacatt gatttgcgct aagctaacag cagcgcagca gcgagttgca 68580 gcatttgaat ccatagaagt tcctgagatt cctgaggccc cagaagagaa accgagtttg 68640 ctggataaag cgcgttcttt atttacccga gaagatcgtt cttagaacca ctctaggagt 68700 ctctaggccc tgttttttta aattctttga ataaaatact atatattagt ggctgagtta 68760 gtttaactta tgtgtttgat tccgatagca ccacagattc ataatgcaag tacctctatc 68820 accacageta eccececee eccececee cagaceaate tgtagggget tetttttgte 68880 tgtctaaatt tcgtgtttta gcaatcactt ttttagttct tggtgtgctc ttactgattt 68940 caggagetet etttetaaeg ttagggattt caggagtete tettggagtt ggtttgggge 69000 tctctgcatt aggaagtgta ctcgttattt cgggatttct attgctttta gaaagacgag 69060 aggtttcggg agtgggttta gaggggattc cgacaggtat tcctgtgggt ccttctgcag 69120 aaccttcttc agaggaaata cagaagaagc aaaaagcaaa gcaaatttta gatcaactgc 69180 ctcaggaact agatcagtta gatacggata tccagcacgt gctctcatgt ttagggaaac 69240 tgaaagatct taagtgcaaa gatcgaggtc ttttaaaaaga tgccaaggag aaactgcaag 69300 tttttgactt tgtttggaaa gacatgatga tggagtttgt agagctacag caggtcatgg 69360 atcaagagag ccggtatcta gagggcctga tccatgaggt acaaagtata gcacacaaac 69420 tttttgtaga tgatgtaaat attagatccc atttagggga gtcgtgcggg tatttacctt 69480 ccgaggatgt tcgaggggaa ctgttaaaga gattcgctaa agaggtcgta gctcgcttta 69540 tgaaagtgac tcgcgacata cggaagatag caatggcttt taacaaaaat gcctatgggg 69600 cagcaaaaaa tgcctttgat aaggcttttg gaagcttgga aacgtgtctg tataagagtc 69660 tgactaagag ttatagagat accttttgtg actataagag agcaaagatc cttccggatg 69720 agaataatag cgctcgtgcc gagcaaaggt ttagggaagt caaggatcat tgggaggact 69780 taaacgaaac ggtcttttgg gtaaaagaag acggtcgtat tgacatagaa gtgctcactg 69840 cagtcggtgg gtggccagat cgttatccag agcatcttat tcttgaaaaa agaaaggata 69900 aggtaatgag ccatcagttg tgggaggcga ctatgcgtgt gaaagaagct gaagtaacgt 69960 atagtgtagc aagagtcgcc tttgaaaagg atggatctca gcagaatcag aagaaattcc 70020 aagaaaagac aaaagagagg ctgcgatgtt taaaggattt gcgtgatcag gagtgtcatc 70080 gtgcacaaga gagattagaa aaactgacgg ctttgtatcc tgaggtttca gtctctgtag 70140 tagagacgga gagagagag aaatttaatt tagagaaagc ctatgggaat ctcgaagagc 70200 gctatcagag cgttgtgcaa gatcaagagg actactggac agaacaaaag aacagggaag 70260 cagaatttag ggcgaaagga actaaggttc gctctatgga ggaggtggca qaqcatcttc 70320 agatettaga aaatetattg gaagaetgtt ataagagatt atcaaaagea gaaaettttg 70380 ccttaggggt ggagagggaa gctacagaag agatagagta taccatactc tctgatgcag 70440 cgaaccgtct taaggtttta tgtgaagata ttgaggacac cctgcctcga gtcgaagaaa 70500 tagagatgat gctgcgtatg gcagagcgtc cactccatcc tataaagcaa gcatttacca 70560 aggettttgt acaatataac aggtgcaaag agaggttage aaaggtagag ecetattata 70620 aagagagccc tgcatatgta aatagcgaag agcgattgca gagtttggat caggcttcac 70680 agtgcataca aagagtccca aaaggtttca agtttagaaa cggaagcatg tacatataga 70740 gagtatetta gagaacaagt acaacagttt gaaactcaag gagtgagett gataaaagaa 70800 gagettetet ttttaageag taeteteaaa agtaaattga getatgatee attaatagea 70860 aacattccct gtatgaagtt ttattaccag tattatgatg acattgataa agcgagagct 70920 caatcccgat ggctggagaa gtctgagagg tatagaaatg ctaagaggag attccaagag 70980 atcgtgaaga aaggcctatt caaagaagct aagcccttga aaaaagagga gtataggtta 71040 cttcaagagg agagaagcaa taaggagaag cgtttgattt acaataagat ggcagtagct 71100 cggcaacgag ttcaagaatt tgaatcgatg gagattccag aatagaaagt aagtcttatg 71160 gataaagege gttetttatt taetegagaa gategtteet ageacaaete tagaaaceta 71220 tgagttgtgt tgctttaaaa atttttttga ataaaatgct atgtattagt agcttagttg 71280 gttaaactta tgtatttggt cacgatggca tcacagattc ataatgcaag tacacgtatc 71340 acceaceaca getaceeece gateactegg taggggetae ttettggeaa ectaagette 71400 gtattttaac cattactttt ttagttcttg gtgtgctttt actgatttca ggagctctct 71460 ttctaacgtt gggagttcca ggacttgctg cagggctctc ttttggatta ggcatcggtc 71520 tetecgcatt aggaggegta etggttgttt caggaettet attettete ataagaegag 71580 gggtttcgaa agttcgtcca gaagagattc ctgtgactcc ttcccatgaa gcccagaaga 71640 ttttatgtca gctacctcag gaactggatc agttagatac gtctattcag gaagtagtct 71700 catgtttagg gaaactgaaa gatcttaagt acgaagatca agggctttta acagaggtac 71760 aggagaaact tcgagttttt gactttgtca ggaaagacat ggtgacagag tttttagagc 71820 tacagcaggt tgtggctcaa gaaggacaat ttctagatta cctaatcaat caggtgcaaa 71880 gcatatcaca caaacttttt gtacctgatg taaatattgg agctcattta gèggagttgt 71940 gtgggtattt accttctggt gatgttcgag tggagcgttt aaagagatct gctcgtcagg 72000 ttgtagatcg ctttcatgag ggtgacttgt gacacgegga aggtggcaat ggcttttgac 72060 gagaatgctg tggagtggca aaaaatgcct ttgataaggc ttttgggggca ttagaagagt 72120 gtgtgtataa gagtctgaca gagagttata gagaggcatt ttatgaatat gagaaggcga 72180 agateettag gaatgaagat gtagaatgge tgeaggataa gaataagage geaegtgetg 72240

agcagagatt tagggaagtc aaggatcgtt gggaggactt aaaggaaacg gtcttttggg 72300 taaaagaaaa cggttgtatt gacctagaag tgctcactgc agtgggtggg tggccggatc gtggtccaga gcatcttatt cctgaaaaaa gaaggaataa ggtaatgagc cataaattat 72360 gggaggcgac tatgcgaatg aagggagcag aaggaacgta tagtgtagca agagtcgcct 72420 72480 ttgaaaagga tggatctaga aagaatcaga agaaattcca agaaaagaca aaagagtggt 72540 tgcgatgttt aaaggatttg catgatcagg agtgtcatcg tgcacgggag agattggcag aacttgaagc tttgtatcct gaggtttcag tctctgtagt agagacggag agagagacaa 72600 aatttaaatt agagactgct tatgggaatc tcgaagagcg ctatcagagc gttgtgcgag 72660 atcaggagga ctactggaaa gaagaagaaa acaaggaagc agagtttagg gaaaaaggaa 72720 caaaggttcg ctctccagag gaggtggtag agtatcttca gatcttagaa aatctgttgg 72780 72840 aagactgttc taagcaatta actatagcgg aagtggttgt cttaggtgta gagctggaag 72900 ctacagcaga gttcgagtat accatactct ctgatgcagc gaatcgtctt aaggttttat gtgaagatat tgaggacatc ctgcctcgag tcgaagaaat agaaatcatg ctacgtatag 72960 73020 cagagettee atteetteet ataaageaag catttaetaa ggeettttta caatataaca gctgtaaaga taagttagca aaggtggagc cctactgtca ggagagcgtg gactatagaa 73080 gaaacaaaga gcggtttcag agtttgaatc aggatttaca aaatgtatac caagagtgcc 73140 agaaggetae aggtttagaa teggaagtga gtgeatatag agateatett agagageaga 73200 73260 tcacagagtt tgaaactcaa gggctggacg tgataaaaga agaacttctt tttgtgagta 73320 gtacteteaa aagtaaattg agetatgate cattaatage agacatteee tgtatgaagt tttatgagga gtattatgat ggcattgata aagcgagagt tcaatcccga tggctggaga 73380 agtctgagag gtatagaaag gcgaagaagg gattccaaga gatgctgaag gaaggcctat 73440 73500 tcaaagaaga tcaggctttg aaaaaagcag agtatagatt acttcgagag aagagaatga 73560 ataaggagaa gcttttgatt tgcaataaga tagaagcagc tcagcagcga gtccaagaat 73620 ttggaccctc ggattcataa tgaaaaatga catatcggct cttctccctc tgatatttca 73680 ggagtctcaa gcaatgtttt tcgcctagtg ctctattttg tctaaatttt agagaggaag 73740 gtcgcagctg aaggetttca tttgtagaca ttttatagaa aaatcagaaa aataccttta 73800 gaaaaaataa gaacactttc atcttaaagt gactatagtg ggatttttta gatttgtttt 73860 agaaggcatt ttaacgatgt atcattttca aaagattcgc atgacactta caactcaggg 73920 atttgttctt aataaatctt taaggaagga ttatgaactg tggtttgtct atggatcatg 73980 tccagaatct aaggtaaaac tacagacttc ctctcataaa tggttgtgag acgaagtttt 74040 ctaagtgtgt ggttagatag atgaaagaac ttagacatga atcctataac cgtgcattac 74100 ataagctaag ccatcaatgg gttcgctact ttctctatac tttcgtatcg tgttccttca 74160 tagtcgccat atttactttt gcatggttaa aggtcctcta tgttcccgaa tgnaaggctg 74220 gtgagatete acgtatttet etgacagete etatggattt tnetttaagt tggagegete 74280 ataaatttta taaacgtact gcccacattt cagaagcctt tgggaaggtc tatcatctta 74340 cactetetee eggtagtete eteageaaag aggggaaege egatgaaaae aetgaetatt 74400 ggtttaaaaa agcagctgat tttttgttgt ctaccaactt tgtcgatagt tcaactcaaa 74460 aatgtettaa ggaettgtgt atatateete etttattggg gaaagaaaag aaaacettag 74520 aaatcaatat caactcgaat aaagggaatg ttattgctca gtgcttctgc cacttaaaaa 745.80 tttttcttat acaagaaaat tgtccccagc cctgttttga tgcaatcatg gatattttga 74640 agatcgccaa cttcgaagtg gccgtggata aggaaatgtc aggttgtgtg aaaggagagc 74700 ttctcggaaa acgttgcatt gagaaaatta ccaagggcac acctatatta gaaaagtatc 74760 agagaatcga tgatcgggat gctaaaattc taaagcagct tcgagcgcaa ctcctttcag 74820 tgcatacett atttteetgt agateettat ggggggetat ttttgtagtt ttaeteatae 74880 ttctatgggg ctacggtgct ttgaaagccc tgtgtcctga gatgttgaaa tctccccagc 74940 gctttatgct ctatattgcg attctaactc tttcgttgct gtggtgcaga gggacagaaa 75000 tettttgege etattgggtt teetatetat ettaceeace gattttacea tttacagetg 75060 tactcctagg atattttcta ggtcttccca tagcaggatt ttcctgtacg tttcttgccc 75120 ttetetacae ettgggatee gatetttgga ataatagttg gtttetatet ataaacetae 75180 tttgttcttg gagaatctta gtgagcttac atcgcgtcag tcgcctttct tcggtgtttt 75240 gggcgtgtat gaaacttgga ggcgtagcta tgggaagcct gctcatgttt cggatattta 75300 caaatacaat atcaagagaa gccctatatg ctgatgggat cgaaagcttc gtttatagtc 75360 tgatcaccgc aatcagcgtt gttgctttga teectgtett cgaggettet tteggagett 75420 ctacaaactt ttcgctcctc acctatttat ctcccgaaaa cgcattgctg aagcgtcttt 75480 tcaaagaagc tccaggtacc taccagcatt ccgtattagt tggaagctta gcagaagctg 75540 cageteaage tataggtgea gatageetet attgettggt tgeageteat taccatgata 75600 togggaaact gattaatcca ggatttttca gtgaaaatca aaaaatctta caacaatctg 75660 gtcattcgct atccccatta gagtgcgcta agatgattat gcgccatatt cctgaagggg 75720 tgaatcttgc taggcaggna gggcttcctg agtctgatat ccaggtgata gaagagcatc 75780 acggaacete tgtgateege teageatact acagecatat ggtagagaac cettetacag 75840 ggagctttga tgaggaatta ttccgatatt ctggaaataa accctcctct aaagaaacta 75900 caatcattat gatcgcggat tcttttgaag cagcctcgcg atctctaaaa aatgccagtc 75960 ttccagatct ccaaagactc atcgatcaga ttatccaagg gaagttacaa gacggtcagt 76020 tttcttgttc tccaattacg ttagatgaac tcgctttgat tagcaagagc atggtgcaaa 76080

ccctctacgg agctctacat tctcggatga aataccctga aatatcgtat caaatttcta 76140 tggattcctg ccccaaaccc tctataggag gaacttagtt ctctagatta cgtggcgttt 76200 gatttccagc aaatgtgctt tgaaatataa ttttttatgc tctcatatgt agaaagagaa 76260 aaaagcatta gaatgccaag aagcagtagc gacaaaacga ccaaaatgag aatagggact 76320 aaaattccca gtcctcctag gatggaaatg caaattaggc cgtatccgtt tacgaaggcc 76380 tegacacact etttetgtte geaagaaage gaaggegagt accegatetg aactgtagte 76440 cgatctaggg attittitat tigataagca cggaccaaac ccgcaatigg tactagactc 76500 acaaatatca aaaacacgtt cgaaaagcag tctaaactaa agggtttttc atccacccaa 76560 atagcacggc tttttttctg gaatagtttg tttgagtcct tgtgagtgtg acctgggata 76620 tatatcgtgt ttcctgtcaa tattttgtca tagtaaggtt gatgtagcat agtaagccaa 76680 aaaatttett gatagataae tageaggtaa aegatattee ttetttete ttteagteaa 76740 tggtattttt tataagtcac taagaataaa aactcataaa gatggtctag cttcgctttg 76800 cttattttta acttctacag tgtctaaagg gaaagaaatg tagtaaaaga ctacaaatga 76860 gacatgcaat tacgccaagg tgttatttag caacaataaa tttgtaacag tatcagagga 76920 cactgattga cgcaaagcaa agcaacaaag gcgaaatggc aacatgatta actgaaaag 76980 cacagaaata agtaggatag ctaggagcag aagaaatata gggagaagga ttccacatcc 77040 accaagaatt ccagcggtct ttatagagct tgtcagtcta gatgacatcc tacatagcgc 77100 atttttgcag ttagtatgag gggagatage ctaagttage ettgacatte tegtcattee 77160 agtttgtttg atgetttgca tateteattg catagaaata tteegagaat gggaaaceat 77220 gagacctata tacatccagg agtgctcccg agtagtcatg ctcaggatgt tagcagatct 77280 acagtttacc ccagtcgaag ttttatcatg agacgtatgc tcatgggctg gaatttcaat 77340 cgtgttccct cgaagagctc cgagcagtta atggatggtc atcgcatacc tcttatattt 77400 tttgggaage atcatectae tatatetatt ttaaatgtea atagatttte ttggetetee 77460 attttttaca atggagaaag ggggttttga gaagaaacc aaactcacca tacagattaa 77520 agtacaacaa aatctaagga agaccagttt gtattttagc agcatcatag aaatacttqa 77580 tggtttatga gagctatata ggaggaccet etatecaeat agtgteteca gatteaggta 77640 gtctctcctg cgattctatg aaaagcgagg ggagagttat gaggagtggc agtgtatagg 77700 ggtaaataac tgtttccatt tacctgcgtg atccttggct gtaattgcta aggatccttg 77760 tagggcatgg tatggaggag gaagttctat actataagca tgatgcaggt gaagtcttaa 77820 actcgcagct ttcgcaagaa caatagcatc ataatgacca cggtggagct gatccagcct 77880 etetteaata gtgeetegaa tateeaagat etgteettga ggaaacagtt gttttagtae 77940 tgcacttcga cgtagagaag aactccctag ccggggactc aagggtaggg gctcatgaac 78000 atagtggtca gcatacacta acaggtctgc aggatgtaga catcgtgtta tggcaactac 78060 aggaagagag ggagteteag gaagateett agcagagtgt ategecagat egcagaetee 78120 tttatggact aaggcatcga cgccatcagt gaaaaaataa gagttttcta caagatgtaa 78180 ggggattttc ttctcacgat ccccagtagt ctctgtagtg cttaactgga accaaagttt 78240 gggataccac gagcgcanaa aagaaataca ctcatgtact tgagctttcg ctaaaatttg 78300 aatttctaga'aagcaataac gaagggggcg cttgccctga caggaaatca cttaaacagg 78360 ggtcagagta acagacggat agcatctttt tattgttttc actccttgta aacgaaagtt 78420 ttctcgaatt tccttgggaa gagatgaaat ttgaccctca ggaagaattg caccttcaaa 78480 toccatgagt tttccctctt taatgcgtct ctctaaatga gccacatgac ggatttctcc 78540 tccaagacct acctctccaa ttacaatgga attgttaggt aacaggcggt tgtatagcga 7.8600 ggaagcaacg gcaagtagag cccccaagtc cgcagcaggc tctataatct ttaaaccccc 78660 cgtaatggat aggaagacat ccatggtaaa tagtttgact tgagcccttt tttctaatac 78720 agetaaaagt aaagaaaage gatteggate gaateeegea gtetteetta etggattage 78780 aaagggagac gaagagacca aagcctgcag ctcgataaga agagccccag agccttctat 78840 aataggaatg atcatagacc ctgtcgttgg ccccgtcttt tcctgaagga aaagtcctga 78900 agggttgcta acctctttga gaccatctgc atgcatcgag agaatcaata gttcatttgt 78960 agggccaaag cgatttttca cagagcgaat catacggtaa ttcgcatggg aattcccctc 79020 aaagtaaagt acagtatcta caagatgttc caatacccta ggacctgcga tctctccaga 79080 ttttgtcacg tggccgataa taaatgtcgt gatctgcgca cttttagcaa tctgcattag 79140 ttcataagta acttctcgga cctgagctac cgatcctggt gcagagttta gcgtggggtt 79200 aaatataatc tgaatggaat caataattaa aatatcaggt tccaaagtcg ctatttgctg 79260 cttgatattg tccaagtttg tttcaggaaa taaataaatc aaaggtgatg agatattgag 79320 egettegete teaaagaegt etgegttaca gattetteae cacaaacata aagaaettta 79380 tacttttgcg atgccaatct ctccgcagtt tgaagaagga gtgtcgactt tccaatgccg 79440 ggatccccac caagaagagt gaggcttcca cgaacaaccc ctcctccaag gatgcgatcc 79500 cacccegcat gateaataaa tateegagat teatteteta attegataga gettaatgea 79560 ategeacteg tagaagateg egaegaagte eeagategag eetgggggae atattettea 79620 accaaagagt tocagttgtg gcagcctgga cattgcccta accatttagg agcagtagct 79680 ccacattgat tacacgtcca ttgtgttttg gtttttgttg ccatacgtat ctagtgcctg 79740 ttgtgctgca atttttctg cttccttttt ggatgacgca tttccctctc cccaaacctc 79800 ttgattcaca agaacctgga tctggtaact gacatttcct tgagcatccg taactgccgt 79860 ggattgatat accggaagaa cgcgaaactg cttttgtgtg aactgctgaa gaaggttctt 79920

277255	rC1/1B98/01890
aggattgcca gacattaaag gaagaa	tttc ttctctagga ggaaggaggg gaacgtaagt 79980
treetagetg gagaaagacc cccatc	caaa tacacagcac ctaaaataga ttcaaataga 80040
ctggcatagg cagaaagacg tcctcg	ctca ctctggatt tttccccttt tcctataaga 80100
agataatccc caatccctag catggt	tgta taacgacage acgettttge atteactaaa 80100
gaagecegtg cegtggatag agttee	stca tedegacage acgettitige atteactaaa 80160 setes teeategaag gaaagagaag aaaaagatge 80220
tcagtaacaa tgagaccaag gacagc	attet cetaaaaatt etaaaegete actatettea 80280
atttgcaccg ccgactcgtt tttata	egag gggtgagtca gcgctatttc taagagctta 80340
ggttgtgtaa atgtaaaatt taactt	aget teaatageeg tgatgtetat agggggatge 80400
atagatagga gggcgccgtc cttaaac	stta gagttgggaa tttttatagg cggaaaaaag 80460
tacacctcca acacttgcgc catttcc	sata accadegate tattttattt gaaaatette 80520
caaaaactat agacactgtg cggtgg	agag agaatatatt tcgctcaatg ccagagattt 80640
atacagtcgt tcgtaaacgg cgtttgg	ratt tetttgeage ggaattggtg caeegeecea 80760
agettteeet egttegagat etetgg	tet teergeage ggaattggtg caccgcccca 80760
aagattgcat gcttttcctt ttacttt	tet teetigeage ggaattggtg caeegeecea 80760 tet teecaggaga agagateett gaaggagaag 80820 cag gagategtge aggaageggt atattetta 80880
caggacceta teetteagat etttate	aat tggagaaggg aactacgggg ttgcttttag 80880
tctataggat ttattttgaa gamta	cga agtataacgg ctttgagtga tcaagtgtat 81120
Cotgaaacta tootta and	cct gacttaaga aaacctttct caaacaatgg 81240 cct ggactttatg caaaaagggt gttaagagtt 81300
acting age activities tiggtas	egg aggactcogat egtettatgg gtateggaac 81540
caaaacaaga cacttaggag aacatgat	
atacategga gagaaaattg aatectgo	
cgaggaatct tacggttgtc tctacgg	as tangets are accasalted tatttggage 82560
gtcagcattg attgcagaag cogcagta	ac tcacgtagaa gataaagacg ctattattgc 82620 ca acaaaaatta caaggaaaaa ctctatgcga 82680
cgcactcctt tctctttacg aaacatac	ca acadaaatta caaggaaaaa ctctatgcga 82680
tttttcccca aaaactgacg aacaacac	gg atacttigct aacaaaacgg agtctgtggt 82740
cagttctgcg aattttttct cagggaa	at adjaceting adcadaacy agtotytygt 82740 at adjacadaaaaa otttoacaco ttyagyaaat 82800
ggcctggcta ggattttgtc ccgcaaaa	
	a agaactigic fracaagcaa cagcaaatca 83760

ggatecteta gageetetea cagggaaact ceetetgett ggegtggatg tttgggagea 83820 cgcctattac ctgcaatata aaaatgttcg tatggattat ttaaaagcct ttcctcaaat 83880 aattaattgg ggacatatag aaaatagatt ttctgaaata atatcatcta aataatttga 83940 atttggtgat tttaattgca gtgttaataa cattaattta aaattgcttc ctaacagaac 84000 ctagattagg tggcttgtgc gtctattttc ttacgacaaa cccaagatta aagtgcaaaa 84060 aatcaaggca gatggtttta gtggttggct caagtgtaat cattgtcacg agatgattca 84120 cgcaaatgag ctaggacaaa attataattg ttgtcctaag tgctcctatc attaccgtat 84180 tactgcgatc gaaagagtca agctgcttgc agacaaagat tcttggcgtc ctctttatac 84240 ggatctgaaa tcccaagatc ccttggaatt tatagatacc gatacctacg caaatcgcct 84300 agaaaaagct cgaaagaata ctacagaaag cgaaggcgtc attgtaggta tatgtactat 84360 aggeeteeae eeegtageee tegeegttat ggattteaat tttatggeag gatetatggg 84420 tgctgttgta gggganaaac tgaccagact tatagaggaa gccattgaaa ccaggctccc 84480 tgtaattatt gtcagcgctt ctggaggcgc acgtatgcag gaatctgtat tttctttaat 84540 gcagatggtg aagacctcag cagctcttgc taagcttcat gaagcaggtc taccctatat 84600 ttcagtcctc accaacccaa cttcaggtgg agtgacagcc tctttcgctg ccctcggtga 84660 tattataata gcagaaccta aagcactgat ttgtttcgca ggacctcgag tcgtcgctca 84720 ggtgatagga gaagatetee eegaaggett caaaaatetg aatteetaet agaacatgge 84780 atgattgata aaatcgttga gcgtaaagaa ttgaaaacca cccttcagac tttacttgat 84840 tactttttag cccaagaata cactggcggg aaaagtaaag ctcctagaga tctttcgaaa 84900 aggettaaag agatttttt gttgacagat gacagtgaat aaaacatcat accgcatett 84960 gcaatgataa cattatctgt aacgctatcc ttatgactgt attttgtgaa ttggattcag 85020 gaggagaact teetgaatat actaegeeag gageegetgg tgeggatett agggeaaaca 85080 tegaagaace categetetg etgeetggae aacgtgettt gateeetace ggaatcaaag 85140 cagaaattcc cgaagtacga gctacaggtc cgtcctcgga gcggtttggc tttaaagcac 85200 ggcattactg ttttaaattc cccagggact atcgattcag attatagggg agagattcgt 85260 gtaatettaa teaaettegg tgatagtaea tteattattg aaeetaagat geggataget 85320 caagttgttt tatctcctgt agtacaggca acgtttgttg ttaagcaaga nagtttagcg 85380 gaaactgccc gaggaagtgg aggttttggt catactggag caagctaaga tgccatccta 85440 ttgtcaaaat caacaagatt tttctttatt ctctcttttg tctcctagac ttgtaatgtt 85500 tttaggcaaa cactcccgag atgaaatcct ccaagatctt acagatcttg tggatgctgc 85560 aggcctactt gaagacaaac aagccttttt tgatgctctt gtccgtcgtg aaaacatcat 85620 gtccacagga atcggaatgg gcgtggctat tcctcacgga aaactcgaaa gctgctctaa 85680 tttttttatt gctataggca tccatacgca aggcatttta tgggacgcta ttgacggagc 85740 cctcgtacgc ctcgtcttct tgatcggagg tccagaaaat gctcaagccg aatatctcaa 85800 gttattatet aetttgaett tatetttgag agaagagtet egtegteaae agttgttaea 85860 ggtgaatacg attgaagaag tcatgaatgt atttgtgggg atgtaaaaat ggatttaaag 85920 ttagatgaag tegeetettt gttagatgtt teegaacata eagttetgea atggettaaa 85980 gaaggagcca ttccaagcta tagtatgaat aatgaatacc gctttagtcg tgaagaaatc 86040 gaagactggc tattgcataa ccaagcactc atgatccaag aacgcggcga agataaagaa 86100 gcacttaaag atctttcttt gaaatatagt ctctacaaag caattcatcg tggcggcgtg 86160 ctttgcgatg ttgtggttca tagtaaagaa gaagctctcc aatacgcctc taaatacatc 86220 gcccaaaagt ttcaattaga cgaaagcgta ctttttgaaa tgctctccca cagagaaaat 86280 cttatgtcca caggtatagg agaaggaatt gccctgcccc atgccaaaga ctttttaatt 86340 aatgcctact atgacattgt ggttcctatg tttcttgcag agcccataga atacggggct 86400 ctagatggaa aacctgtagg cattettttc ttcctttttg cttgccagga taaaagtcac 86460 ttaaacttag taaataaaat agtccatctc gggatgtctt taaatgcccg aagctttttt 86520 aaaaattate etaacaaaga teaaetttta gegtaegtta aggaatggga gteeeaaaet 86580 86640 cattaatagc tagagtttaa aaagattttt aagtccaagt tgtgaaaaaa atccttttgt tgctatggtg atcctcatag gcttccagga gattgtagtc gcatgatgag ctctaagcgt 86700 acctcgaaaa tagcggtgct ttcaatttta ttaacattta ctcactctat agggttcgca 86760 86820 aatgcgaatt cgtccgtagg tcttggcacg gtctacatta catccgaggt tgtaaagaag ectcagaaag gatcagaaag gaaacaagee aaaaaagaac etegtgeteg taaaggatae 86880 ttagtccctt cttcaaggac tctttcagct cgagcccaaa agatgaaaaa ctcctctcgt 86940 aaagagtett caggtggttg taacgaaatt tetgcaaatt etacacccag atetgtaaaa 87000 ttacgaagaa acaaacgtgc agaacaaaag gcagctaaac aaggattttc agctttttct 87060 aacctaactt tgaaaagect actteetaaa etteetteaa aacaaaaaae tteaatteae 87120 gagagagaaa aagcaacctc aagatttgtt aatgagtctc agcttagttc cgcacgaaaa 87180 egetactgca caccatette agecgeteet teeetatttt tagaaacaga aategttega 87240 gctcctgtag aaagaactaa agaacttcaa gataatgaaa ttcatattcc tgtagtgcaa 87300 gtccaaacga accccaaaga acaaaataca aagacaacta aacagttggc atcccaagcc 87360 tegatteaac aatetgaagg aacegageaa teattgegag agetegeeca aggtgetage 87420 ctacctgtct tagtgcgctc taatcctgaa gtgtctgtac aaagacaaaa agaagagtta 87480 ttaaaagaac tcgtagctga acgtagacaa tgtaaaagaa agtctgtaag acaagctctt 87540 gaagcfegtt etttaactaa gaaagttget agaggeggtt etgtgaeete gaetttaega 87600

tacgatccag aaaaagcggc ggaaatcaaa agtagacgca attgcaaagt aagtcctgaa 87660 gcacgtgaac aaaaatattc atcttgcaaa agagatgctc gcgctaatgg gaaacaagac 87720 aagacaactc ctagtgaaga tgcttctcaa gaagaacaac aaactggggc aggactcgta 87780 cgcaagactc ctaaatctca ggttgcaagt aatgctcaga acttctaccg aaattctaaa 87840 aatacaaaca tagatageta tettacaget aaccaataca getgtagtte tgaagaaaca 87900 gattggccat gttcttcctg cgtctctaaa cgcagaactc acaacagtat atctgtatgt 87960 accatggtag ttactgtcat tgcgatgatc gtaggggctt tgattatagc taatgctaca 88020 gaateteaaa caacateaga tecaacteet ecaacteeta etecatagit giatageeet 88080 tgctggacgt gtagctctac ccaaaatctt agatagcctt cttatctatg attttagtgg 88140 gtagagettt cectecegae tegtettett tteaatttte tetttgtaat tacaetttat 88200 ctctctttct atctttttcg ggagtacctt cttattttag atagagaaag cttagtttt 88260 cttttgttta agaaataatt ataagctcgt taatataatc aatttgcctt taagtaaaat 88320 gataaaacta totaatotat agtgatttgt gttgtatago attattatat tgcatogtgt 88380 cagatttgcg tgttcattct aggggaacac cgacccagac tcatagtgag atctgtgatg 88440 cccatcctac caacagattt ttgaaaaaac accctacact tgacctatgt atgcgaattg 88500 taagcacaat tgtctctgtc tttatgattt tagcagacat cgttctcctc ctgggctccc 88560 tottactttt accoctoott atagttttac tttgggaatc ttottaggaa gatgcottto 88620 tacgtctaat attgttttat tataatttta aaaatgatta taatttctta ttaacttcat 88680 gaatatttac atttaataaa agtataatgt ataattagtt atgactaaaa ttcaatgtag 88740 tgetcagtat tatagatete gaceggeega gagggeecaa acteeteege aacettteet 88800 tgctagggat cgcgcggatt tttgggagag acatcctaga ttcagtgcat gttgtcgtgt 88860 cttattactc gttgcttggg tggttctcgc tctactgttt ctctttgtta tgcttcttcc 88920 tctagccgct gggtcgtatt tacttgcttt ttaaggtatt cttcacctaa aaacttgtgt 88980 tttgggtgcc tgtagctatt tcaaaggcat gtttttatcg atcggagctt ctcttgttt 89040 gggcgagtcc gttcgtatct ttgtaattct tctacgattt agttttatcc ttatcttaga 89100 ccaacctett cataggtgga teetgtagag gaactatteg actcaggagt egtagaceta 89160 aggtattcgt gtttaaagat aaaagtttta ttttctaaga gttttttaat tattaagatt 89220 tttatttaaa aatatatctt ttgattagat ctctaatacg attattataa atataatatg 89280 tttttcaaaa aaaattatat gacagatttt cctactcact tcaaaggacc caaacttaac 89340 cccattaaag taaatccaaa cttttttgag aggaatccta aagtcgcaag ggtactgcaa 89400 attacageeg tagtettagg aateattgee etettateeg gtatagtaet cattatagge 89460 accecteteg gageteetat aagtatgate eteggeggat gtettttage ttetggagge 89520 gccttatttg ttggtggtac gattgctacg atattgcaag ctagaaatag ttataagaag 89580 gccgtgaacc aaaagaaact ctcagagcct ttgatggaac gccccgaatt gaaagcctta 89640 gattatteee tagatetgaa agaggtatgg gaeetacate attettgttg teaacatett 89700 aaaaaaatag acctgaatct ttccgaaacc caaagggaag ttctaaatca aatcaaaatt 89760 gatgatgagg gaccctccct aggggaatgc gccgctatga tttcagaaaa ctacgacgca 89820 tgcttaaaga tgctcgcgta tcgtgaggag ctcctgaaag aacaaaccca ataccaagag 89880 acacgattca atcagaacct cactcataga aataaagttt tgctctccat cctctcaagg 89940 atcacggaca atatttctaa agcgggcggg gtcttttctt tgaaattttc cacgctaagc 90000 tegeggatgt caegaattea taccaecaec actgtgatte tggetttaag tgeegttgtt 90060 tetgteatgg tegtageage tetaatteea ggtggeattt tageaetace tataettttg 90120 gctgttgcta tttctgcagg agtgattgtc accggacttt cctatctagt tcgtcagatt 90180 ttaagtaaca ccaagcgtaa tcgtcaggat ttttataaag attttgtaaa aaatgtagat 90240 atagagette ttaaccaaae ggtaaettta cagegattee tetttgaaat geteaaaggt 90300 gttctgaaag aagaagaaga agtctcctta gaaggtcaag attggtatac acaatacata 90360 accaatgcac ccatagaaaa aagattgatc gaagagatca gagttaccta caaagagatc 90420 gatgctcaga ccaaaaaaat gaagacagac ttggagttct tagaaaatga ggtgcgttcc 90480 gggagactgt ctgtagcgtc cccgtcggaa gatccaagtg aaactcctat ttttactcaa 90540 ggtaaggagt ttgcaaagtt acgtcgccaa acctctcaga atatatccac gatttatggt 90600 ccggacaatg aaaatattga tcccgaattt tccttaccct ggatgcctaa aaaagaagaa 90660 gaaatagacc atagettaga acctgttaca aagttggaac ceggttcaag agaagagttg 90720 ttgttggtag agggggtcaa cccaacctta agagaactca atatgagaat tgcacttcta 90780 caacaacaac tatcaagtgt ccgaaaatgg agacaccctc gaggggaaca ttacgggaat 90840 gttatctatt cagatacaga actcgatcgt attcagatgc tagaaggcgc attttataat 90900 cacctcaggg aagctcaaga ggaaatcacc cagtctctcg gagaccttgt tgacattcaa 90960 aaccgtattt tagggatcat agttgaaggg gactcagatt caagaacaga agaagagcct 91020 caggaatagg attctcatat aaataacaac aaactaagag ctgttttttt ctcttacagc 91080 totttotaga caggatotot aaggtootaa attoatgttt tocattatoa toottgoota 91140 cgacctaggc tgcatccgga ttctataagt acgtactctc agttgctttt tctacaagtt 91200 gggctagccc acaggctgca aacagaaatt ttatttcttg aaatctattt tcttatttac 91260 aaatttattt ccctaaaatg aataaactaa ggagtttata tggcaaatcc cacacaatcg 91320 cgaccaccga gtccggagat aagtatagaa gaactagagc ttcaagaact tgcaggatcc 91380 togaatactg agactattto taatacacot occoogtoat gegetgetac tgoogaagaa 91440

gtatctcttt ttattgaggg aggccgtaga aactcagaag atgaggaggg acctctagga 91500 tcttgtgagg tgtacgatgt tgtctgtata acaaaccaag gagatcctga ggttagagat 91560 cacgaagtca gagttatgta cattaacggc agcggtcgaa cacaacatga gggtattctt 91620 gatgctatga acatetgtga teteagagga gaaceegtea ggtteataca caatagtggg 91680 tatggtttag ggagctgctt cttagggatt cgaaatcgta ttcctcctag agataatgtt 91740 attagccaag caatacaagc acgatggaat gagtttttta ttttcgcaga aaatgcaaat 91800 cgagattaca tcgttctttt ctctggtaat ggaggtctct atcttcaagt cgctttagat 91860 aactccatat actcacatca tattctttgt gttggcattg gaagcagtta ttatatccaa 91920 ggaaattatc gtgttcacaa ctaccgtgtg acaggggatt ggacgaccct cctggatcgt 91980 cggggggcaa cagcagtaaa tactacaacg ttgccttatg cagattctgc tgaaggactc 92040 tttttaccct cagtacgctg tccctcatac caatgggcat tgcgttgtgg agaacagtgc 92100 ctgatcatgg ataacaacca acaagttggg tttcgcccc aagattcctc ttcagaaatc 92160 gccttagtag taaatttaaa tcaggaccac agcacctgga ctcgtctgat tgaatggata 92220 gategggggg atteteagge tgttetagaa ttgaateete aacegagtea ttgtegtgat 92280 attgcattga ctgcactata cgctacaaca aggatttctt ctttacttca agagtgccta 92340 atgatttctg tgacttatgc tccagaggtt ttcgtcacct atgctatcgt tacaggatac 92400 tctataatga ccttgcgcta ttttattcta ttattaacaa atcgtccagg ctgccggcgg 92460 cattttcgtg ttttaagatt agcggcttta gggttgcagt ccttaggatt tttgactgta 92520 ttgcttgatc atatcaatgt aacacggaga gtcaatcgcc gcccccctt aatatcagta 92580 atettetgta etgetagttt tgecacagga agttteattt atgtagaett aacaegeatg 92640 tttttcacga gcttacgttc gcgcttgcaa ttgtttgttc aaagaagatt aacaggaaga 92700 ggtctaccac tgagaagggt ttttgtaaat cacctagact ctttgagatt ttctcaaaat 92760 getttgataa cettteatgg gggaettttt atgeetetea taataggttt ttttaateag 92820 ctggtcattc aggttcctcg agttgtcatc agaccaaata ccactgccgt ttatgatctc 92880 aaccagacct cacaggaagc gtgggactct ggagacgtat tagctatagg acagaccata 92940 aacttcttgc tttgcatgat tctattggtc atcaatacct ttttcttcgt gagatccgta 93000 cgaaggaatt tgcatcgtag acctcatcga tagcaactgt gcagaaccct actctttaga 93060 tttcaaaaat aactgatacc gaaatgcccc tgtactatag gtgccattgt tccttagaaa 93120 tctaaagaga tcggcctctt tcctttatat ctgaaatcat gactaggaat aaggagttta 93180 ctgtctttaa acgcatctcg ttgacattaa aaccaaataa aaacatgttt ttatttqqtc 93240 tattetgtta aaatagatag gtttttttta actetgatee taaagtgtea ttgaaaaggt 93300 tcagggtatt cttatagagg tccccctatg gcagtagaag gaagagtaaa tagttctcaa 93360 gccttaaatc aagattgtca agaagtctta gcaaataaac aatcgaaagg cctcctaagg 93420 tgcagaattc tatctatagt agtagctgtt atcaccttta tcgccggggt tgtgttgata 93480 gctttaacat tagcctctat tttaacttct gttccctact tagcgttagg agtgtttta 93540 etgattgtca ctctgggatg tataatattt gctctttgct ctgagaaaat aaaaaaggtt 93600 cccccgactc ctatttcaca taaagaggag atcattgcct ggttcgaaga aagaaaaaat 93660 attgatatgg-aaaaggaaaa agaagatccg gagcattttg gaagaaccgc tacggatatc 93720 ccaatgagat ctgcattaga tcagtttaac cactcttgtc accatattca cgagagcccc 93780 gcgttaacag aaacttatag aagccatcaa gatgttctcc tctttaagga ctggtgtcct 93840 gttacgttgc ctgatgtaac ctcagaagaa gaagtcttaa tacgcagtgt ggttggtagc 93900 tatttattaa tggaggcgtg cgttccaaaa gtatccatgc ttatcgacga actccataat 93960 aagettatnt eteetteega aagagagtge etetttatag ataaaaaaae attgeagega 94020 aaagctagtt ttcttttcac tcagaaagat ctcgcaacat tctttcttga cctatacgcg 94080 ggtgaatgat ggtcatttag caccgtttcg agcaggagca aaatggatct taatacatta 94140 cgttaggtta agacgtcaac acaatcagaa cgactttttt actccaggac attcttgtta 94200 ctatgctcgt ctagccttta accaaaccca acgactctat catcaattat tcaatgtaga 94260 aaagcttcgt agtatctatg cgaacatgga taaagaccct ctatgtcacc catgggctnt 94320 cattectate tatgatttat tgaaaacaga ggaccatgga gatggtttte tagaacaaca 94380 agaagatcgg gaatatccaa gtagagctgc tcaagatcaa ttttggggct aatgtttaaa 94440 ggatcagttt tttaaaacac ggattctaaa ttgtaattca ggattactat ttttcttcag 94500 aaagcttaga cctactgctt gtgaggcagg ggagtagtct tacaccccaa aggaaatata 94560 ccgaataaaa atatctagaa gaggctctag atacatcttt ggaaatagac tctccgttct 94620 tagatactet agattateta aattteatga ggagagatea aaagaaaatg ttecaagatg 94680 ttatggaaca ttttctctct agtttatttt tttaatagca taagagtttg tttaatatct 94740 tgttcacgtt gaaatgctag ctcgcggctt actttttctt tattccaatc taaaatggac 94800 tttttaaact ctaaatcctt ctctcggagc tctaattcgc gatttttcaa ctccaattcg 94860 cggttccgaa tgtcaaattc acgattaaaa caatcgataa tttgggcaac ttgtccagat 94920 tgacacatct tagaaatgcc ctctaatctt tgaaccatgc tatcgaaaaa atctaagaca 94980 tattcattag aagactettt atcagtettt teagaaagae ettetgagte agaagtaeca 95040 caactttcct caatctcttc cgaacttttt tgcccgtcgg aaattgcttg tagttcatta 95100 cgtatctctt tgccctcttc gattggggtt tcaatcagct cattgagttg tgttattaaa 95160 acttcaggat cctcctcaat tctggactga gaagagacat cctcattgca aatgcctttt 95220 aggggagcgg agaaactgca ggagaaaatt aaactataaa taaaaaattt cttaatcata 95280

aaactttaaa gtaattaatt taataaatcg attttaatgg tattatagaa atataaaaat 95340 caaaatacaa aagaaatttg tgaataaaaa aaagaatagc aaattatttt ttgttcatga 95400 tttgtgaatt ttaaaaaata ttatttatta aatacaaacc tgttaacaat aggttgtgaa 95460 aggagattac gattttttg agatatcctt attaactaca aaatggtctt acctatatta ggttaattaa aataatataa attatttatg tgttattgat ttataattaa attttcttta 95520 95580 tgtttatcta ctcatattta atcttggtat aatgacaann cccccaccat cccgatcctc 95640 ctctcctcct ccctatgatt ggatagaact tcaagatctg gggaatacga ataacaatag 95700 cagtcgagct acccecccc gaagtaggcg gtgagctgcc cccgtatttt tcagctagca 95760 actttgttgt aatagagcgg ggcgctccta gtctgccttc tccacagcaa cttttatctc ttccagaata ttctaggcag ccgccaccag gatattttga tgaaacagca agcataacta 95820 95880 gcagaacgag tgaagagatg tttggtacct tggtctctac cttgtgttgt cctgccaact cggaaaggga ttgggaagat cacgaggtaa attgtattta tattgctagt accagtgaca 95940 96000 ctcaacttga agctgttcaa ggtgggatgc atatcactga gttacgtggt gaacccgtaa 96060 gagttettta tgagaegggt caettataeg catttgetag agaaaataea tgteatteee 96120 gtttagaagt tagccataca gttagagcta tgacgtactt ttgggaccga ttttttagtc gccactggaa cgtggggcga cgtttcctag tattttacca gggaaacgga ggcgcctatg 96180 ttcaggcagc cctcgattca tccatgcata ctcaggatat ctatgttcta gggctctctc 96240 96300 cgactgtcta tattagaggg aactatcacg tacagcacta ccgtgttcga ggattttggc 96360 cetettgeet ggatteteta geggeetgtg eggaaaatae ateagtaett eetaegggga 96420 atcgagtgac ggaatctttt acccctctct attcagccac acatttgata acgcgatacg 96480 gtatggtgag agatgcctgt tggtttgttc tgagggcatg ggaatgcttc cagaaacgca 96540 acaacaaaca tctcctttaa cttcactaga agggggacat gaggtagctc tagttctcaa 96600 tececageag aacceagagg etetaagtat tgeetetaga ttgatgeatg aagaaagagg 96660 tgggagatta gaatctaact atatgcctgg acgttctagt aatcctttca tgacaagtat 96720 gratgitete graeggerga aracaettge reagatetae etgatgiete ettattatte 96780 tttccaaagc aacgacattg tatgccttat ctttataagc agtgctgctg tagagacagt 96840 aagctacata ttootgactg taactgacto aacttgtggg cgtcggtaco tgcgtgtoco 96900 acggctagtt tgtacagggt tacgtaacct ggcgttaccc acaactctac tagagctact 96960 tattttgtca taccetcgat cagtagaggg ggtacettte aatgttagat teattettgg 97020 atatatgtgc actactagag ttgtattttt tgcatggaac ttgatcctcc actggccttt 97080 ccgatgtcta cgccatggaa tccaattgtt tgttcataga agtataatag gacatacgtt 97140 gggagcaaga attactgatt taaccctagc aagtatgcga tacgcaatag tgtttccatc 97200 tatagtaagt tcatgcttgt taactgctct tgctcatgca aatactaaca tacttgcctt 97260 ggaccettat agattgateg aatetggaga tttaagaegt eeegeattta atgatgatga 97320 aatgcaacaa gcagataatc cttgggatgc ttactctatc ggcttagtta taaacacgtg 97380 tatctacatg ttaattttat tcgcaaacct aattttcatg gtgtactctg tacgaagata 97440 ccatagatec egeegetaag agtagettge ettaagttte gtaetateta ttetteggea 97500 atgcaagata agaaaacatt gattaagagc gaatagaacc ctaaaaaact gtgtttattt 97560 tttattacag ttttttagat ataaagatct ctttttagtt ccgtatctct aaatgaaatc 97620 aaagggttcc ttgtgaagaa aaccctacag attgcaaccg aagaatagac tcgaaatgag 97680 gggacacett tgggaatete tgttegtagg tgegtgaetg attagaaaaa aagttttgat 97740 ttttcaaatg aaataagcct actttgtatt agaggctgat tcataaactt tcctaagaaa 97800 tatatgataa gaaaaacttg gggcggacag gatttgaacc tgtgacctac gggttatgag 97860 teegeagete taaccaetga getacegeee eecaaggtaa gagageaatg etaacaeata 97920 attttctaat gatcaaggga tatccacgcc tgaacggaat gtagttatgt ttgaggcggc 97980 tttaagtatt gtaccgctat ttgcttcata cgcatgtaca gagattctcc accattcaac 98040 ctaccaaaag aaagataggg agtcaggcgc tgaaaaaaaa ttggcttgca tgtcaaaatt 98100 gtagaaggag tttctccaga atatacctca gtaaataaag aggcgattcc tgaagacact 98160 aaagettteg tataagtgaa aaaaaataaa atteeatett gatataeete gtaaagatat 98220 aaatcactet gacaacetac aaccaagtte teetteaaca tgegettett gteaaaagea 98280 tecettgaag aactatttte cateaaetta agatacagat gatetttttg aaaaggttet 98340 ggaaataget eeteaataat tttatgetgt tttttaaae aeetagegtg ttgeagagga 98400 cagataaatt ccaaaatact tctcaatgat ttgattcaat gatacgatca ggctcttttt 98460 tgatttgttg caaagtctga gataaggtca taatacattg gtcagctctt gcaataatat 98520 catcaggact gttgttattc aagtcaaggt atgagctagt tacaccacat tctggcatcg 98580 aaaaacaata gggcataggc tgatttaagt ttagtttcaa agaagctaaa agattcgctg 98640 tggcaggatc cgtttggttg ttgcgattta tctctataag cgcattcaac tgcttttgat 98700 tgatcatttg gtgcttgatg atttgatgct ggttgatcgc ttgctcaatg ttctctattc 98760 gttttttgtg ggccttgcga tcaatagcat aagtagcctc atctcctaag cġcgcccat 98820 aaacagtatt aatacttaat tgatttccaa tggaaaaacc tataacaaga ccaacagcct 98880 gaggaaccgc ataaatcaac gctgaaatag aggctatcat cgtggctaaa agaatttgtc 98940 gtgttccgtt cggatctaat tgcaaaattc catggtttat caaattccat agactgttta 99000 catgcctatg cttgttctct ttatctaaac atgtcgctgt aaaaatgcca aaaacaacgc 99060 caatcectag acccaccect aaccaaattg ttagagttaa agcaaccgta tgatgacata 99120

C*=====	+					
CLAAAACLAA	tgcccaagct	aaaacacaaa	gtaatatata	tttccaattc	ctttggagga	99180
ataaaccaat	tttttcaacc	gcgtttttta	aacgagttgt	ccaagaaaat	gaattttgat	99240
tataaggaac	taatttcaga	tcagttaatg	caactaacgc	tgaaatagga	gggctgacta	99300
taggagagtc	ccctgaagca	tttgaatcag	gagagttcga	tctagaagag	ctcagtctgt	99360
cacaaaatag	ttcttgagga	acgtattggt	Cagaaggcga	aattecteca	gaagatagtg	99420
gagtagacat	tcgatagtga	aaaaaataaa	acaataacca	atatattaa	stagged	
tttctttct	2202000	tttataataa	tetacagea	Clatattada	acaaggaecc	99480
tteettigta	aacagaggtt	tttgtgette	tatagecect	ctagtttact	caatatttta	99540
Liggiagiai	tcgcaaggtt	ttgtgaaagg	gatttgactt	tttctaaata	acaaatataa	99600
tcctaatgcg	tttatagaat	aggggaaatg	aagagcaccg	ttctattttt	agggctgaat	99660
ctacccacta	ggccagccag	tcacaggctt	aggcttaaaa	gattttgtta	aggataattg	99720
atcaatggcg	aaaaaagaag	atactcttgt	actcgaaggt	aaggtagaag	ageteettee	99780
aggaatgcat	tttcgtgtaa	tactagaaaa	contatocca	attaccaccc	atttatacaa	99840
aaaaatgcgt	atgagtaata	ttcccattcc	ttattaanan	gccaccgccc	gtcgagatgt	33040
addatates	attananna	ceeggaetge	trycrygaga	eegegttact	grcgagargt	
ccgcctatga	cttaacaaaa	gctagggttg	tctacagaca	tcgttaatta	tattttctat	99960
tgatgtttta	aaataagtga	catagactag	gcggtttttc	aagaccggga	agcaatgcat	100020
aagtaagccc	agatagctca	gtggtagagc	acttgcatgg	taagcaagcg	gtcgtaggtt	100080
caattcctat	tctgggcaga	aagaatggtt	ggagtaatca	ataatttta	agaggatttt	100140
gagatgtcaa	aagaaacttt	tcaacgtaat	aagccccata	tcaatattoo	dacdatcddd	100200
cacqttqacc	atggtaaaac	tacoctaaca	acaacaatta	oaccacaat	3+33	
ggattagggt	attracatas	atataattaa	geggeaacta	Cacgegegee	accaggggat	100260
ggaccggcgc	ctttccgtga	Clatagilea	attgacaata	ctccagaaga	aaaggctcgt	100320
ggaattacta	tcaacgcttc	tcacgttgaa	tacgaaaccc	caaatcgtca	ctacgctcac	100380
gtagactgcc	ctggtcacgc	tgactatgtt	aaaaatatga	ttacaggcgc	cgctcaaatg	. 100440
gacggagcta	tcctagtcgt	ttcagctaca	gacggagcta	tgccacaaac	taaagaacat	100500
atcttgctag	ctcgccaggt	tggagttcct	tatatcotto	ttttcttgaa	taaagtagat	100560
atgatetete	aagaagatgc	tgaacttatt	gaccttgttg	agatggaagt	tagtgagge	
cttgaagaaa	aagactacaa	aggatgagat	attatacata	agacggaacc	cagugageee	100620
~~~~	aaggctacaa	aggatgeeet	accaccogcg	greergere	gaaagccccc	100680
gaaggugaug	caaattatat	Cyaaaaagct	cgagaactta	tgcaagctgt	ggatgacanc	100740
atccctacac	cagaaagaga	aattgataag	cctttcttaa	tgcctatcga	agacgtattc	100800
tcaatctctg	gtcgtggtac	tgtggttaca	ggaagaatcg	agcgtggaat	cgttaaagtt	100860
tctgataaag	ttcagctcgt	gggattagga	gagactaaag	aaacaatcgt	tactggagtc	100920
qaaatqttca	ggaaagaact	tectgaaggt	catacaggag	aaaacottoo	tttactcctc	100980
agaggtattg	gaaagaacga	tattaaaaga	agtatagag	tttataaaaa	t-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2	
asaggtactg	gaaagaacga	atazaatatt	ggcacggcgg		caacagegeg	101040
aageettata	cgaaatttaa	greagerger	tacgttette	agaaagaaga	aggeggaegt	101100
cataagcctt	tcttcagcgg	atacagacct	cagttettet	tccgtactac	agacgtgaca	101160
ggagtcgtaa	ctcttcctga	aggaactgaa	atggtaatgc	ctggagataa	cgttgagctt	101220
gatgttgagc	tcattggaac	agttgctctt	gaagaaggaa	tgagatttgc	aattcgtgaa	101280
ggtggtcgta	ctatcggcgc	tggaacgatt	tcaaagatca	atgcttaaaa	atgaatttcg	101340
cgatgatttt	catcatcgcg	attttctggg	tatataactt	acctontana	acaataacct	101400
ccaaagccgc	cggtcggggg	ttccattccc	ttegeageee	tagatettaat	tettastet	
	totale	zeegaeteee	eregeaceeg	tagatttaat	LECEAACCEA	101460
gaagiiggii	tatgaaacaa	Caacacaatc	gtaaggettt	atctcgcaag	attggcacag	101520
tgaaaaaaca	agccaaattt	gcaggaagct	ttttagatga	gattaaaaaa	attgaatggg	101580
taagcaagca	cgatcttaag	aaatacataa	aagtagttct	tatcagtatt	tttggttttg	101640
gatttgctat	ttatttcgta	gatcttgtgt	tgcgtaagtc	aatcacatgt	ttagatggta	101700
taacaacctt	tttgttcggt	taattgcatg	tataaatggt	atgtcgttca	agtttttaca	101760
gctcaagaaa	agaaagtaaa	aaaggettta	gaagatttta	aagagtette	aggaatgagt	101820
gattttatac	aggaaattat	attacatatt	gaagaccca	tagageeeee	aggaacgacc	
antonatas	++======	t-t	gaaaatycca	tygaagtgaa	aaaaggagaa	101880
cacaaggeeg	ttgaaaaata	catetygeet	ggatacetet	tagttaaaat	gcatctgact	101940
gacgagtett	ggctctatgt	taaaagtaca	gcaggtatag	tcgagtttct	tggaggcgga	102000
gtccctgtag	ctctttctga	agatgaagta	agaagtatct	taacagatat	agaagagaag	102060
aaatcgggag	tggtgcaaaa	acatcagttc	gaggttggtt	ctagagtgaa	aattaatgac	102120
ggagtctttg	tcaattttat	caacaaatt	tecgaagttt	tccatgataa	aggacgcctg	102180
agtgttatgg	tttctatctt	tonaananaa	actadontad	atgatttaga	attttaaaaa	102240
ataasaasa	tagggggagg	~ annana	accagggcag	attacata	accedgeaa	
attaattata	tagccccagg	gcaayaaayt	gagtagatag	yccaaaaca	grgrattert	102300
	ttcttataat					102360
tcagtgcaaa	gtaaggttta	gtatgtcggt	aaaaaaggta	atcaaaataa	ttaagttgca	102420
	ggtaaagcaa					102480
	atgggcttct					102540
cttacttcca	gtagtcatca	ctgtttatac	tgataaaact	tttactttta	taaccaaaca	102600
	tcctctttaa					102660
taatcotaat	aaagtaggaa	aacttactca	aacta==a++	raarraatt~	atannan	
aatraaarat	ataastatt	tacttactca	atataaaa	gaagtaattg	cyaacaaaa	102720
	atggatattg					102780
ccgtagtatg	ggtatagacg	tagaataaat	tgttacttgt	agagctgtag	aattatgaca	102840
	aacgtatacg					102900
ttgcgggagq	ctatagatat	tttaaaacaa	tgtcctccag	tacgcttcga	tcaaactgta	102960

gatgtateta teaagttagg gatagateet aaaaagageg accaacaaat tegtggagee 103020 gtttttttac ctaatggtac aggaaaact ttaagaattt tggtttttgc ttcagggaac 103080 aaagtcaaag aagctgttga agcgggcgca gactttatgg gaagcgacga tcttgttgaa 103140 aaaattaaat ccgggtggct ggaattcgat gttgctgtcg ctaccccaga tatgatgcgt 103200 gaagtaggaa aattaggaaa agtettagga eetagaaate taatgeetae aeetaaaaca 103260 ggaacggtaa ccacagacgt tgctaaagca atctccgaat tgcgtaaagg aaaaattgaa 103320 tttaaagcag accgcgcagg cgtatgtaat gtaggcgtag gtaagttgtc ttttgaaagc 103380 agtcaaatca aagaaaatat tgaagctcta agttctgctt taattaaggc caaacctcct 103440 gcagctaaag gtcaatattt agtctcattc actatttctt ccactatggg gcctggtatt 103500 tctatagata ctagagaatt aatggcatct taatcttaaa gagggaaaat gaaacaagaa 103560 aaaacattac ttcttcaaga ggtagaagac aaaatttccg cagcacaggg attcatttta 103620 ttaagatacc ttagatttac cgccgcgtat tctagagaat tcagaaactc actttctgga 103680 gtttctgcag aatttgaagt tttaaagaag agaatcttct ttaaagctat agaagctgca 103740 ggtttagagg tagattgtag tgatacagat gggcatctcg gtgtagtctt ttcctgtgga 103800 gatectgttt etgeegeaaa geaggtaetg gaetttaata aacaacataa agaetettta 103860 gttttcctcg ctggaaggat ggacaatgcg tctctgtctg gtgcagaggt agaagctgtc 103920 gocaaattgo catotottaa agaacttaga cagcaggttg ttggtttatt cgctgctoca 103980 atgtcccaag ttgtaggaat tatgaattct gtcctttctg gagtgatctc ctgtgtggat 104040 caaaaggcag gaaagaacta aagaattaaa attaaaactc tcaaaataag taagggtgac 104100 aaaagtgaca acagaaagtt tggaaacttt agtagagaag ttaagtaatt taactgtact 104160 agaactctct caattgaaaa aattattaga agagaagtgg gatgttactg cttctgctcc 104220 cgtagttgct gttgctgctg gtggtggcgg agaagctcct gttgctgccg aacctacaga 104280 atttgcagta accetegaag atgtteetge agataaaaaa ateggegtet taaaagtegt 104340 tagggaagta actggattag ctttaaaaga agctaaagaa atgacagaag gtttacctaa 104400 aactgttaaa gaaaaaactt ctaaaagtga tgctgaagat actgttaaga agttacaaga 104460 104520 ttttcttttc tttttctttt catgtataaa aaaccgaatg ctccctttag aagcatacgt 104580 aggettaatt tagggaaatt ttgtegeate aaaatageag gagaaetege aegttgaagt 104640 gccctgaacg ggtcagtgtt aaaaaaaagg aagatatccc agaccttcca aatcttatcg 104700 aaatccaaat taagtcttat aagcagtttc ttcaaattgg aaaattagca gaagaaagag 104760 aaaatatcgg tttagaagag gttttcaggg aaatttttcc cattaaatcc tataacgaag 104820 ctaccgttct tgagtacctt tcatataatt tgggtgtgcc aaaatattct ccagaagaat 104880 gtatccgtag aggaattacc tatagcgtca ctttgaaagt ccgttttcgt ttaaccgatg 104940 aaacgggaat caaagaagaa gaagtctata tgggaacgat ccctctaatg actgataaag 105000 ggacatttat cattaatgga gctgaaagag tcgttgtttc ccaagttcat cgttctccag 105060 gaattaactt tgaacaagaa aaacattcca aaggtaatat tttattctcc ttcagaatca 105120 ttccttatcg tggaagttgg ctcgaagcta ttttcgatat taatgactta atttatatcc 105180 atattgatag aaaaaacgt agaagaaaaa ttctagcaat cacctttatc cgagctcttg 105240 gatactette agatgeagat atcategaag aattetteae aataggagaa agttetetta 105300 gaagtgagaa agactttgct cttcttgttg gaaggatttt agcagacaat attattgatg 105360 aagcctcctc tctagtttat ggaaaagccg gagaaaagtt aagtacagca atgttaaaac 105420 ggatgctcga tgctggaatc gcttctgtta agattgctgt agatgctgat gaaaatcatc 105480 ctattatcaa aatgctcgct aaggatccta cagattcata cgaagccgct ttaaaagatt 105540 tttatcgtag actacgtcca ggagaacctg caactctagc taatgcacgt tctactatca 105600" tgaggctctt ctttgacccc aaacgttata atctaggacg tgtagggcgt tataagctca 105660 ategeaaact aggettetet atagatgatg aagetetgte teaagttaet ttgagaaaag 105720 aagatgtgat cggagcctta aagtatctga ttcgtttgaa aatgggagat gaaaaagctt 105780 gtgtagacga tattgatcat cttgctaatc gacgtgtccg ctctgtcgga gaactcattc 105840 aaaatcaatg tcgttcagga cttgctagaa tggagaaaat tgttagagag agaatgaatt 105900 tattcgattt ctcctcagat acgttgactc caggaaaagt tgtctctgct aaaggtctcg 105960 ctagcgtgtt aaaagatttc tttggccgct cccagctttc gcagtttatg gaccaaacca 106020 accctgtage tgagttaaet cacaaacgae gtetttetge attaggteea ggaggaetaa 106080 atagagaacg cgcaggattt gaagttcgtg acgtgcacgc aagtcattat ggacgtattt 106140 gtcctattga aactcctgaa ggtccaaata ttggtctgat cacctctctt tcctcttttg 106200 ctaaaattaa cgaatttgga ttcattgaaa ctccttatag aattgtaaga gatggaatcg 106260 taacagatga aatcgaatac atgacagccg atgttgaaga agaatgtgtg attgcacagg 106320 cttcagcaag cctagatgag tacaatatgt ttacggaacc cgtctgttgg gtacgttatg 106380 ctggagaagc tttcgaagca gatacaagca ccgtaaccca tatggatgtt tctccgaaac 106440 agctcgtttc tattgttaca ggattgattc ctttcttaga gcacgacgat gcgaaccgcg 106500 cettgatggg etecaatatg caacgteaag eggtteeett aettaaaace gaageteetg 106560 ttgttggcac tggattagaa tgtcgtgctg ctaaagattc tggagctatt gttgttgcag 106620 aagaagatgg tgttgttgat tttgttgatg gttacaaagt agttgttgct gcaaaacata 106680 atectacaat taaaegtaee tateatetga aaaagtteet tagatetaat teaggaaett 106740 gcattaacca acagcccttg tgtgcagtcg gtgatgtcat aactaagggt gatgtgattg 106800

ctgatggacc cgcaactgat cgtggagaac ttgctttagg taaaaatgta ctcgttgcct 106860 ttatgccttg gtatggatac aactttgagg atgcgatcat tatctctgaa aaattgatca 106920 gagaagatgc ctatacctct atttatattg aggaattcga actaacagcc cgagatacaa 106980 aattaggaaa agaagagatc actcgtgaca ttcctaacgt atctgatgaa gtattggcca 107040 atctcggtga ggatgggatc attcgtatcg gtgctgaggt taaacctggg gatattcttg 107100 ttggtaagat cacaccaaaa tcagaaacag aattagctcc agaagagcgt ctgctccgtg 107160 ctatttttgg tgaaaaagct gctgacgtta aagatgcatc tttaacagtg cctccaggaa 107220 ctgaaggegt cgttatggat gttaaagtet teagtagaaa ggatagattg teaaagagtg 107280 atgacgaact tgtagaagaa gctgttcatc ttaaagattt gcaaaaagga tataaaaacc 107340 aagttgcaac tttaaaaaca gaatatcgtg agaaattagg agctctctta ttaaatgaga 107400 aagcacctgc agccattatt caccgtcgta cagcagaaat cgttgttcat gaaggcctac 107460 tctttgatca agagacaata gaacggatag aacaagaaga tttagtggat cttttaatgc 107520 ctaactgtga aatgtatgaa gtgttgaaag gacttctatc agattacgaa acggcattac 107580 aacggctaga aatcaattat aagactgaag ttgagcatat tcgtgaggga gatgcagatt 107640 tagatcatgg tgtcattcgc caagttaaag tctacgttgc ctctaagaga aaacttcaag 107700 ttggagataa aatggctgga cgacacggaa ataaaggtgt tgtttccaaa atcgttcccg 107760 aagcggatat gccatatctc tctaacggag aaactgtaca aatgatcctg aacccctcg 107820 gggtgccttc aaggatgaac cttggacagg tattagaaac acacctaggt tatgcagcaa 107880 aaactgcagg catttacgtg aaaacccctg tttttgaagg attccctgaa caacgtatct 107940 gggatatgat gatagaacag ggattaccag aagatgggaa gtccttctta tatgatggga 108000 agacaggtga acgctttgat aacaaggtag tgataggcta tatctatatg ctaaagctca 108060 gtcacttgat cgctgataag attcacgcaa gatctatagg gccatattct ttagtcacgc 108120 aacaacctct cggtggtaaa gctcagatgg gaggacaaag attcggggaa atggaagttt 108180 gggctctaga agcatatggg gttgctcata tgctccaaga aattctaacc gtgaaatctg 108240 atgatgtete aggaagaaca aggatttacg aatctategt taagggggaa aacetettge 108300 gatcaggaac gcctgagtcg ttcaatgtgc taattaaaga gatgcagggt ctaggacttg 108360 atgttcgtcc tatggtcgta gacgcttaaa aaatgacgtt ttggagaaaa taatgttcgg 108420 agaaaattet egagacattg gagttettte taaagaagga etatttgata aattagagat 108480 aggcataget teagatatta caattegtga taaatggtet tgtggagaaa teaaaaagee 108540 agaaactata aattaccgta cgtttaaacc tgaaaagggc ggtctatttt gtgaaaaaat 108600 ccttggtcct actaaagatt gggaatgttg ctgcggaaaa tataaaaaaa taaaacataa 108660 aggaattgtc tgcgatcgat gcggagttga agttactctt tcaaaagtcc gtcgtgaacg 108720 tatggctcat atcgagttag cagttcctat tgtccatatt tggtttttca aaacaactcc 108780 atcacgcatt ggtaatgttc ttggaatgac agcttcggat ctggaacgtg tcatttatta 108840 tgaagaatat gtagttattg acccaggtaa gacagaccta actaaaaaac aacttcttaa 108900 tgatgcgcaa tatcgtgaag ttgttgagaa gtggggtaag gacgctttcg ttgctaaaat 108960 109020 gggtggcgaa gctatctatg atttgcttaa atccgaagat ctccaaagct tgcttaaaga tettaaagag egtttaegea aaacaaaate teageaageg agaatgaagt tageeaaaeg 109080 tettaaaate attgagggat ttgtttette atecaaeeae eeggagtgga tggtattaaa 109140 109200 aaatatccca gtagttccac ctgatctccg tcctcttgtt cctttagatg gcggtcgttt tgcgacttct gatttaaacg atctctaccg ccgtgtaatt aatcgtaaca atcgtcttaa 109260 109320 agcgatetta egtttaaaaa caecagaggt tattgttegt aatgaaaage gtatgettea 109380 agaagetgtt gatgetettt ttgataaegg tegacatggt cateeggtea tgggagetgg aaaccgacca ttgaaatcct tgtcagaaat gttaaaggga aaaaatggac gcttccgtca 109440 aaatetttta ggaaaaegtg ttgaetaete tggaegttet gtaattattg ttggteetga 109500 109560 attgaagttt aatcaatgcg gattgcctaa ggaaatggct ttagagctat tcgaaccctt 109620 tattattaan agactaaaag atcaaggcag cgtttatacc attcgttctg ctaagaaaat gattcaacga ggagccccag aagtttggga cgttctcgaa gagatcatta agggacatcc 109680 agtacttett aacegageae etacattgea eegtttagga atteaagett tegaacetgt 109740 109800 attgatagaa ggtaaagcga ttcgtataca ccccctagtt tgcgcagcgt ttaacgctga cttcgacgga gaccaaatgg ccgtgcacgt tcctctatct gtagaggcac aactggaagc 109860 109920 taaagtttta atgatggete cagacaacat etteetteet teeteaggaa ageetgtgge 109980 tattccttcg aaagatatga ctttaggatt atattatctg atggcagatc ctacctattt tcctgaagaa catggaggaa aaactaagat atttaaagat gaaatcgaag tattgcgtgc 110040 tttaaataac ggtggattca ttgatgatgt tttcggagat cgtcgtgatg aaacaggacg 110100 cggtatccat attcatgaaa agattaaagt gcgtattgat ggacaaatta ttgagacaac 110160 cccaggaagg gtattgttca acagaattgt tcctaaagaa ctcggcttcc aaaattacag 110220 catgccaagt aagcgtataa gtgagcttat tttacagtgc tataagaaag tcggtttaga 110280 agctactgta cgtttcttag atgaccttaa agatcttgga tttattcaag ctacaaaagc 110340 cgcaatctct atgggattga aggatgttcg tattcctgat atcaagagtc atatcctcaa 110400 agatgcctac gataaggttg ctatcgtcaa aaaacaatat gatgatggga tcattactga 110460 110520 aggggagcgt cattccaaaa ctattagtat ttggactgaa gtttccgaac agctttcaga 110580 tgccctctat gttgaaatta gcaaacaaac acgtagcaag cataacccct tgttcctgat 110640 gattgattct ggagecegag gtaataaate eeagttgaaa cagttgggag egttaegagg

attaatggcg aagccaaacg gagcaattat tgaatctcca attacttcga actttagaga 110700 aggattgaca gttttagagt actecatete etcacaeggt gegagaaaag gtttageega 1.10760 tacageteta aaaactgeeg acteeggata ettaacaegt agaettgtag aegtageeca 110820 agacgtgatc attaccgaaa aagattgcgg tacgttaaat cacattgaga tttctgcaat 110880 aggtcaaggt tetgaagaac tettgeetet taaagategt atetatggae gtaetgtage tgaagatgtc tatcaaccag gtgataaaag tcgactactt gctcaatcgg gtgatgtact 110940 caactccgta caagcagaag caattgatga tgccggtatt gagacaatta agattcgtte 111000 111060 tacattaacg tgcgaaagtc ctcgcggagt ttgtgcaaag tgttacggcc tcaatttagc 111120 taatggtaga ctcattggca tgggtgaagc tgttggtatt attgctgctc agtcgattgg 111180 ggaacctgga actcagttaa caatgagaac gttccaccta gggggtattg ctgctacgtc 111240 ttcaactcct gagattatta cgaatagtga tggtatctta gtctacatgg atctccgtgt 111300 tgttctgggg caagaaggtc acaatcttgt cttgaataag aagggagctt tacatgttgt 111360 aggtgatgaa ggtcgtactc tcaatgagta taaaaagctg ctttcaacca agtctataga aagcctagag gtatttcctg tagaactagg agtgaaaatt cttgttgctg acggaactcc 111420 111480 tgtttctcaa ggacaaagaa tcgcagaagt tgaactacac aatattccta tcatttgcga taagcctggc tttattaaat atgaagattt ggttgaggga atctctacag agaaagttgt 111540 gaacaagaac acaggacttg ttgaacttat tgtgaaacag caccgagggg agttacatcc 111600 tcagattgct atctatgatg atgctgactt gtcagaactt gtcggaacct atgcgattcc 111660 ttcaggagcg attatetetg tagaagaagg acaacgggtt gatecaggta tgttgttage 111720 111780 tagacttcct cgcggagcta tcaaaacaaa agatattact ggcggtttgc ctcgtgttgc 111840 tgaattagta gaagetegta aacetgaaga tgetgetgae ategecaaaa ttgatggtgt 111900 tgttgacttc aaaggaattc aaaagaacaa acgtattctt gttgtctgtg atgaaatgac 111960 aggtatggaa gaagaacatc tgattccatt aaccaaacat ttgattgtac aacgtggaga 112020 tagtgtgatt aagggcagca gcttaccgat ggtttagttg ttcctcatga aatcctagaa 112080 atttgcggag ttcgtgaact tcagaagtac ctggtaaatg aggtgcagga agtttaccgt 112140 ctgcagggcg ttgacattaa cgataagcat attgaaatta ttgttcgtca gatgttacaa 112200 aaagtacgaa ttactgaccc aggtgatacg actctgctct ttggcgaaga cgtgaataag 112260 aaagagtttt atgaagaaaa tcgtcgtacc gaagaagacg gtggtaagcc agctcaagct gttcccgtct tattgggaat tacgaaagct tctttgggta cggaatcgtt tatatcagca 112320 112380 gcttctttcc aagacacaac tcgagtctta acagatgcag cttgttgtag caaaaccgac 112440 taccttcttg gatttaagga aaatgtgatc atgggtcata tgattcctgg tggtacaggc 112500 tttgaaacgc ataagcgtat taagcagtat ctagaaaaag aacaagaaga tctcgtttt 112560 gattttgtta gtgaaacnga gtgtgtttnn taactaggtg acacagtctt ttatcaagga 112620 ggttatgttt acaacctcct tgataggaat gttttttttt gttaacgttg cctagagatc 112680 aacagtgatg ccaaggtgcc tatgtctaac caatttgatc aattaaagaa gttgagcact 112740 atcgtttgtg atagcggaga cccagagcta gttaaagcct cgggatctca agacgctaca 112800 acaaaccctt ctttgatctt aaaagtggcc caagaaccca aatttcaaga gctattaaac 112860 gaagctgtag tttggggaat ccgacagaac ggtgatgatc ttcagactct ttcttttatt 112920 ttagacaaaa ttcaggttaa ctttgctcta gaaattatca aaaatatccc tggtagaatt 112980 tctcttgaaa ttgacgctag gctttctttc aacgttgaag ctatggtaca gcgtgccgta 113040 ttcctttcgc agcttttcga agctatggga ggagataaaa agcgcctgtt agtaaagatt 113100 cctggaactt gggaaggtat tcgagctgtt gaatttttag aagcaaaggg catagcatgt 113160 aatgtcactt tgattttaa tttagttcaa gcgattgcag ctgctaaagc taaagcaact 113220 ttaatttctc cttttgttgg ccgtatttat gattggtgga tcgcggctta tggtgatgaa 113280 ggttactcta tagatgcaga tccaggtgtc gcttcagtat caaatattta cgcgtattac 113340 aaaaaattcg gtattcctac gcaaattatg gcagcatctt ttcgtacaaa agagcaggta 113400 ctagcattag ctggttgcga tcttttaacg atatctccaa agctgctgga tgagctaaag 113460 aaatctcaac acccagtaaa aaaagaatta gatcctgcag aagctaaaaa gttagatgtg 113520 cagccaatag aactcacaga aagctttttt cgctttttaa tgaatgagga tgctatggct 113580 acaganaaac ttgctgaagg aattcggata tttgcaggag atactcaaat tcttgagact 113640 gcaattacag agtttataaa gcaaattgct gcagaaggtg cgtaattgct tactaaatta 113700 agccgatttg gggataccac cttaaagcga aatgaaaaat aagatggact ataaatcgca 113760 actagtattt tettgeeett gttgttgeaa aggeaatgtt tgttteteag tttttaaett 113820 agacgttatt ttaacatgta acgtttgctc atctacttat acattcgatt ctgtcatacg 113880 taatgagatt cgtcagtttg tagcactatg taaaaggata catgatgcta attctatact 113940 tggaaatgct actgtgtcgg tatcggtaga agacaaccaa atggatattc cctttcaatt 114000 gctgttttct cgtttccctg tagtattaaa tctctcttta gatggaaaga aaatagctat 114060 togtttcctc tttgatgctt taaatacaag tatcttacac caagaaagcg atcttatttc 114120 ttaatcctaa gtttatttgt tttcgttttg cagagcttcc aaagcttttt caaggattgc 114180 atctcctgaa gtagcctctt taccaccgcg aatttggaaa gaagagacta cttttaaaaa 114240 ggtaaatgaa agttetgcat agtcatecaa agttgcagtg ettgtaaaaa tataagcagt 114300 atggtcaatg actgttgtcg cttgtaaaca aaatacacgt ccccatgaag agtttttctc 114360 tgttttgata atagtaaact ctccgctagg agattgaatt tgggtaaata ttccagattc 114420 taaagicatc tcattggctt tatgataggc taagatttcc tcaatatact cttttgaaga 114480

tttggaagtg	atttcctgag	caatqttgat	ggtaggagtg	agatttcctt	teceettace	114540
tataaggaga	acatctaatt	tttctgggag	ctgtgtttta	tcqtcaatac	actoccaaao	114600
agagggtgtc	tgtatgctat	agtttttccc	tgaatagcga	acccattgga	caaaaaaaa	114660
cgagggtttt	ttctcaaatt	ttcctatttt	tttccgcgca	gtgctcttgt	tttatagcga	114720
gaaacactcg	cattcgttgc	tgccgaagat	cgtatcctag	aggtccttct	tgcttttgct	114780
tgctttgagt	gagatgcaga	gacttgagtt	cttggctgag	cagagaaagc	agggaattga	114840
gctacaatca	aaataaaaag	aataaaaaat	ttcatagaaa	attatgtagt	tagttgtaca	114900
	ttcaaagcac					114960
	ttcccaatag					115020
	caattcttct					115080
	gcatgggatt					115140
ctgcaacccg	tttcttattt	gtggatcagt	tgaattaaat	gctagaatga	cataaactgt	115200
tagattagtg	gaatcataat	aacatctttt	ttaaagaaaa	ttcttttcta	aaagaataag	115260
	ttatggcgaa					115320
	acactctaaa					115380
	cgaaaagaat					115440
	agagagctca					115500
	ctttggaagc					115560
	ggctggagca					115620
	aggctttgga					115680
	gtcctagagc					115740
tacgaaagaa	aagtgtagtt	gttggaagtt	ttgttggtgg	tgttcaatta	aaagttgaag	115800
aaaagaactg	ggttctggat	cttagttcct	cagctcttct	tgagattttc	acacgttatt	115860
	ttttcgtgaa					115920
agatcttctc	aatatttaaa	gttgtcgtca	tgactcaata	ttattttta	tcttcatttt	115980
tacctactca	gctaccagaa	tccgtacctc	tattttctat	ttcggactta	gacgatctac	116040
	cctatcagaa					116100
atttcgaaaa	tttcgctttc	ttttgggctg	gtaaaccgat	tecettetet	tttggggagg	116160
tgactcagga	aaatgtagaa	agaatgcttt	cctctcagca	gtggtctgat	gacaatgatt	116220
ttgaagattt	ctttaaggat	tttttaatga	atcataagtc	ttctcaagat	cgtttgaatc	116280
acttttcaga	tttatttaga	gagtttcttt	cctatcatca	aacgaattct	tcaaagtttc	116340
ttcaagatta	tttcagattt	caacaacaac	ttcgtgttgt	actcgcggga	ttccgtgcaa	116400
	tatggatgtt					116460
	gctcatgcag					116520
	cgttttggat					116580
	taccaatttc					116640
	tttagcaaga					116700
	ggaagagaaa					116760
	acttgctcag					116820
	atatgttaga					116880
	agtgattgaa					116940
	gtgtcgagga					117000
	cttgcttcag					117060
ctgaagatag	ttctttcttg	cagagaggca	agcatgttaa	tgctatttct	gatcataatt	117120
	tactcccgta					117180
	tgaaggacga					117240
	gacttgggta		_	_		117300
	tgctcagggt					117360
	tattgaagga					117420
	tacgcaaatt			-		117480
	gaaaacagtc					117540
	tgcgtgcgga					117600
	cgacccccat					117660
	catgcctgtg tcgccagatg					117720 117780
						117780
trectorate	ccttagagag cctgtcttct	acceegggac	etttt====	aacccccgga	gayyaaycat	117840
						117960
	ttctgaagga accagtcact					118020
	actgacgcac					118020
	caggtaggac					118140
	gcacagtttc					118200
	ggggtttcta					118260
	ctccagcaga					118320
			g-ggac	-3		**************************************

```
acagatagag ttattttcat taatcagtcg tatttttgat gctaaatttg tttttgatag
 tcctgatgat gcaagaagct ttttccttga gctgcagagc aagattaaga cattaaatgg
                                                                       118380
                                                                       118440
 cctgaaattt ctttcagagg aatatcatga gagtaaagag gtcatagtta gactgttgga
 aaaaacaatg gtacaaatgg cgtaaggata tgcaaacaat ctacacaaaa ataactgata
                                                                       118500
 ttaaaggcaa tttaatcact gtagaagcag agggagctcg tttaggggag cttgctacaa
                                                                       118560
                                                                       118620
 tcacaagatc cgacggaaga tettegtatg etteggtatt gegttttgac ettaagaaag
 taacteteca ggtttttggt ggcacategg gettatecae tggagateat gteaegttet
                                                                      118680
 tagggagacc catggaggtc acatttggga gctcattatt aggcagacga ttgaatggta
                                                                      118740
 tagggaaacc cattgataat gagggggagt gttttggaga acctatagag attgctactc
                                                                      118800
 caacatttaa ccctgtctgt cgtattgttc ctaggagtat ggtacggaca aatattccta
                                                                      118860
 tgattgatgt tttcaactgt ttagtgaaat ctcagaaaat tcctattttt tcttcttctg
                                                                      118920
 gagaacatca taatgetttg ttaatgegga ttgetgeaca gacagaegeg gatatagttg
                                                                      118980
 tgattggtgg gatggggctt acattcgtag attacagctt ttttgttgaa gagtctaaga
                                                                      119040
 agctaggatt tgcagataag tgtgtgatgt ttattcataa agctgtagat gctcctgtag
                                                                      119100
 aatgtgtttt ggttcctgat atggccctag cttgtgctga aaaatttgct gtagaagaga
                                                                      119160
aaaagaacgt cttggttttg cttacagaca tgacagcgtt tgctgatgct cttaaggaaa
                                                                      119220
 tttctatcac tatggatcaa attcctgcca atcgtgggta ccccggttcc ctatattctg
                                                                      119280
atctagcttt acgctatgaa aaagctgtag aaattgccga tggggggtcg atcaccttaa
                                                                      119340
ttactgtaac tacgatgcct agtgacgaca ttacacatcc tgttcctgat aacacaggat
                                                                      119400
acattacaga gggacaattc tacttgagga ataatcgtat agatccgttt ggttctcttt
                                                                      119460
caagattgaa gcagctggtc attggtaagg tgactcgaga ggatcatgga gatcttgcga
                                                                      119520
atgetttaat tegtetttat geggatteee gtaaagetae agaaagaatg getatgggat
                                                                      119580
tcaagttatc gaattgggat aagaaattac ttgcgttttc cgagcttttt gaaactcgtt
                                                                      119640
tgatgagttt agaggtaaat attootttag aagaagottt agatattggt tggaaaatto
                                                                      119700
tageteaaag ttteaettet gaagaagtgg gaattaaage eeagttaata aataagtatt
                                                                      119760
ggccaaaagc atgtctgtcc aagtaaagct aacaaagaac teetttegac tagaaaaaca
                                                                      119820
                                                                      119880
aaaactagca cgattacaaa cgtaccttcc gacattaaaa cttaagaaag ctttattgca
ggctgaggta caaaacgctg ttaaagatgc tgcagagtgt gacaaggact atgtacaggc
                                                                      119940
                                                                      120000
ttatgagegg atttatgett ttgeggaatt gtttagtatt eetetetgta eagattgtgt
agagaagagt tttgagattc agagtataga taacgacttt gaaaacatag ctggtgttga
                                                                      120060
                                                                      120120
ggtccctata gtccgtgagg taacactatt tccagcttcg tattctcttt tagggacccc
                                                                      120180
gatatggtta gatacgatgc tctcagcatc aaaagaactt gtggtcaaaa aagtcatggc
                                                                      120240
cgaagteteg aaagaacgte taaagatett agaagaagaa ttaegageeg ttteaatteg
agtcaattta tttgagaaga agctcattcc tgaaactacg aagatactca agaagattgc
                                                                      120300
ggttttctta agtgatcgta gcatcaccga tgtaggtcaa gttaaaatgg caaaaaagaa
                                                                      120360
gatagaactc cggaaagcaa ggggggatga gtgcgtttaa atatacataa gtatctcttt
                                                                      120420
                                                                      120480
ataggacgca ataaggcgga tttttttttt gcaagtagag agcttggtgt tgtagagttt
                                                                      120540
atttctaaaa agtgtttcat taccacagaa cagggccatc gttttgtaga atgcttaaaa
                                                                      120600
gtttttgatc atttagaagc cgaatactcc ttagaagctt tagagtttgt taaagatgag
                                                                      120660
agtgtttcag tcgaagatat tgtctccgag gtccttactt taaataagga aatcaaggga
                                                                      120720
cttttagaaa ctgtaaaggc attaaggaaa gagattgtta gagtcaagcc cctaggggca
                                                                      120780
ttttcttctt cagagattgc agagctgtct agaaagacag gaatatctct acgatttttc
                                                                      120840
tataggacgc ataaagataa tgaggattta gaggaggact ctcctaacgt tttttatctt
                                                                      120900
tctacagcgt ataattttga ttattatcta gttcttggag ttgtggatct tcctagagat
                                                                      120960
cgctacacag agattgaage tecaegttet gtaaatgagt tgcaagtaga cettgcaaat
                                                                      121020
cttcagegeg agattagaaa cagateegae egtetttgtg atetetatge etategtaga
                                                                      121080
gaagteetge gagggetttg taattatgae aatgaacaaa ggetteatea ageaaaagag
                                                                      121140
tgttgcgagg acttgttcga tgggaaagtc tttgctgttg cgggttgggt catcgtcgat
                                                                      121200
agaatcaaag aattacaaag totttgcaat ogttatcaaa totatatgga aagggttoot
                                                                      121260
gttgatectg atgagacgat cectacetae ettgagaata aaggtgtagg tgtgatggga
                                                                      121320
gaggatettg tacagattta tgatacteca geatatteeg ataaagatee ttecaettgg
                                                                      121380
gtattttttg cttttgtgct cttcttctct atgattgtca atgatgctgg ctacggcctg
                                                                     121440
ctatttctaa tgtcttcgct tctattctct tggaaattcc gtcgtaagat gaagttctct
                                                                     121500
aaacatetet caegeatget gaagatgace getattttag gtettggttg tatatgttgg
                                                                     121560
ggaacgacaa caacttcatt ttttggaatg agttttagta aaacgagtgt gtttagagaa
                                                                     121620
tactctatga cgcatgtctt ggctttgaaa aaggccgaat actacctgca aatgcgtcct
                                                                     121680
aaagcctata aggaactcac gaatgagtac cectegttaa aagegatteg tgateecaag
                                                                     121740
gccttcttgc tagcaactga aataggaagt gcaggtatag aatctcgtta tgtagtctac
                                                                     121800
gataagttta tegataatat eettatggaa ttagegetgt ttattggagt egtacaeett
teettaggta tgttgegeta tettegttat egttattetg geattgggtg gattetett
                                                                     121860
                                                                     121920
atggttagcg cctatcttta tgtgcctatt tatcttggta ctgtatcttt gattcattat
                                                                     121980
cttttccatg ttccctatga attaggagga caaataggat attatggcat gtttggtgga
                                                                     122040
attgggcttg ctgttgtact ggcaatgata cagaggagtt ggcgtggagt tgaggaaatc
atttctgtga_tccaagtgtt ctctgatgtt ctctcgtatc tccgtatata tgctttagga
                                                                     122100
                                                                     122160
```

cttgctggtg ctatgatggg agccacgttt aatcaaatgg gagcaagatt gcctatgctt 122220 cttggttcta tagttattct tcttggtcac tccgtgaata tcattctttc tattatggga 122280 ggagtgattc atggacttag gttaaatttt atagagtggt accactacag ttttgatggg 122340 ggaggtcgtc ccttacgtcc tctgagaaag attgtctgta gcgaagatgc tgaggcttcg 122400 gggattcact tagataataa ttcaatagtt tgataaactt cccttgcctt taagagagga 122460 acatgaaaga aatcttgtca agttcgtaat tatttaaagg tatttgaagg gagcacatga 122520 ggtaagtatg attgatatgt ctgttgttgg gcctgctttg gttttaggct tagctatgat 122580 tggaagtgct ataggatgtg gcatggctgg agtcgcttca catgcagtaa tgtctcggat 122640 agatgaagga catgggaagt tgataggaat gtcagcgatg ccctcatctc agtctatcta 122700 tgggtttatt ttgatgttgc tgatgcaagc agcaataaaa aatggaaccc tatcgccagt 122760 aggagggatc gctataggtt tatctgtggg agccgccctt ttagtatctt ccgtgatgca 122820 aggeaagtgt tgtgteageg gaatteaage ttatgetega tettegteaa tatatgggaa 122880 gtgttatgca gcgattggga ttgtcgaatc tttttcattg tttgctgttg tttttgcgct 122940 actactactc taaacttgta tttgggctta cagttctgtt agccgcaata agtgtgattt 123000 gcttattggg ttgttcagaa ccttcattat cttcttttac agaatacgta ggtccagagt 123060 atagtgcage agcecaacte agtategage agagttgtea tgatgaggtg tatggacage 123120 aggttgtagt gacctggagt cttccctcac gtatgaggaa atgccttccc gtgactttgt 123180 atctctgggt atattatggt aatggcaagg tagagaaatt gacctatgag gtcaatcaaa 123240 gtgcggggta tcgagtgtat tgcctcaagg gactagaata caaagaactc cagggcatta 123300 tetectatee gttgegttat gtagegggaa teaagagatt gtgagtagge gteaecatet 123360 ttggatggag gttatctctc tggattctcc ttaataaaaa atatcaaatc ataaacatgc 123420 cctattttta gaaaaagcag cataaagata ataaaataga actatgctac ttgctctaag 123480 tttacagggt atttcttagt agagatcaca aatttggatt aagaattatg acaacagaag 123540 attttccaaa agcatataac tttcaggata cagaaccega gttgtatgtg ttttgggaaa 123600 agaatgggat gtttaaggct gaagcttcga gtgataagcc tccatattct gtaatcatgc 123660 cgcccccaaa tgttactggg gttttgcata tgggccatgc tttggtcaat acccttcaag 123720 atgttcttgt tcgttacaaa cgcatgtcag gatttgaagt ttgttggatt ccaggaactg 123780 accatgcagg aattgctacc caggctgtag tggaaaggca tctccaagct tctgaaggca 123840 agogtogtac ggactatago ogagaagact ttttgaagca tatttgggca tggaaagaaa 123900 agagegaaaa agtegttete teecaaetge gaeagetggg gtgtteetgt gattgggata 123960 ggaaacgett tactatggag cegettgega ategtgeggt caaaaaaget tteaaaacee 124020 tatttgaaaa tgggtatatt tatcgtgggt actaccttgt aaactgggat cctgttctcc 124080 aaaccgccct ggcggatgat gaggtggaat acgaagagaa agatggatgg ctctattata 124140 ttcgctatcg tatggtaggt tctcaagagt ctattgttgt agcaacaaca agacccgaaa 124200 cttcattagg agacactggg atcgcagtgt ctcctaacga cgagcgctat gcatcatgga 124260 ttggtgcgag cgttgaagtg ccttttgtaa atcgtcagat tcctatcatt ggagatgctt 124320 ctgtagatcc tactttcgga acaggagctg taaaagtgac tcctgctcat gataaggacg 124380 attatettat ggggaccaac catcatette etatgattaa catteteace ceeteaggag 124440 gaatcaatga gaatggtgga ccttttgctg ggatggctaa agagaaagca cgcgaggaga 124500 tecteattge actagaagaa caggggttat ttgtaaggaa agageettat aagettegtg 124560 teggtgttte ttategatet ggagetgtaa ttgageetta tetttetaaa eagtggtttg 124620 tetetgtgte agagtteegt ggagetttge gagagtttgt agaaagteaa gatattaaga 124680 124740 ttttccctaa agactttgtc aaaaattact tgtcctgggt caaccacctt agagattggt gtattagtag gcagctgtgg tggggacatc gtattcctgt ttggtatcat aaaaatcatg 124800 acgaacgggt cctttgttat gatggagagg gcattcctga agaagtcgct caagatcctg 124860 attettggta ccaggatece gatgttetag atacetggtt etetteagge ttatggecae 124920 tgacctgctt ggggtggcct gatgaaaatt ctccagattt gaagaaattt taccccaccg 124980 125040 ctctattagt tacagggcac gacatcttgt ttttctgggt aactcggatg gtgttactat gttcttcaat gtcaggggaa aagccttttt cagaagtttt ccttcatgga ttgatatttg 125100 ggaagtetta taagegttat aacgaetttg gtgaatggte etatatttet gggaaagaga 125160 agctagctta tgatatggga gaagcgcttc ccgatggtgt tgttgccaaa tgggaaaagc 125220 tctctaaatc caaagggaac gttatcgatc ctttagagat gatcgctact tatggtaccg 125280 atgcggtacg cttgactttg tgttcttgtg caaatcgcgg agagcagata gatcttgatt 125340 acaggetatt tgaagaatac aagcactttg caaataaggt ttggaacgga getaggttta 125400 tetttggtea tateteagat etteagggea aggatttget tgeaggtatt gatgaagaet 125460 ctttagggct tgaagatttt tatattttag atggttttaa ccaactgatt catcagcttg 125520 125580 aggaggetta tgetacetat gettttgata aagtggeaae tttagettat gaatttttee gtaatgatct ctgttccacg tatattgaga ttattaaacc cacactcttt ggtaagcagg 125640 125700 gaaacgaggc ttcgcaatct acgaagcgga ccttacttgc tgttcttctt attaatgtat taggagttct tcatcctgta gctcctttca ttacagaatc tttattttta agaattcagg 125760 ataccttagg agcccttcct gaaggagatg gggatgcatt tacaggtcat gctttacgta 125820 tgctacgttc tcgtgcttgt atggaagctc cctatccaaa agcttttgat gttaagatac 125880 cccaagatct tagagaatct tttactttag ctcaaaggct cgtttatact attaggaata 125940 126000 tccgtgggga gatgcaactg gatccgcgtt tacatctgaa agcttttgtt gtttgttctg

						•
atactaccga	gattcagagc	tgtatcccca	tacttcaggc	attaggaggg	ttagaatcta	126060
tacagctcct	agataaagag	cctgaaaagg	gcctctatag	ctttggtgtt	gttgatacta	126120
tacgcctggg	gatttttgtc	cctgaagagc	atcttcttaa	agagaaaggg	cotttagaaa	126180
aagaaagagt	taggttagaa	cgagctgtgg	agaacttaga	gcgcttatta	ggagatgaga	126240
gtttttgcca	aaaggcaaac	ccgaatcttg	tagttgcgaa	gcaagaagct	traaagaata	126300
atcotataga	attacaaggc	attetteata	agettgeate	atttacttaa	acadadada	126360
ccaacgatct	ttggagcgct	atcatattct	tagaattatt	gcccgcccag	acayayayya	
actotatot	acetaceate	atgatatty:	tagaattatt	ygaaayyyay	gcalggglga	126420
agectateet	gcctacgatc	cigiatgete	tegtaaagta	gctcttaaaa	aaattcgtga	126480
agatettgea	gaaaatcctc	ttttgaaaag	gaggttttta	cgagaggcaa	gaattgccgc	126540
tgaccttatt	catcctggtg	ttgttcctgt	ctatactatt	tacagcgaga	aagatcctgt	126600
atactacacg	atgccctaca	tagagggata	tacactaaaa	accttactga	agagtgtatg	126660
gcaaaaggaa	tccctgtcta	aggaattagc	agagaaaact	tctgtagggg	catttcttc	126720
tatctttcat	aagatctgct	gcactataga	atatgtccat	tctcggggca	ttcttcatcg	126780
cgaccttaaa	cccgataaca	tcttattagg	tctttttagt	gaggctgtaa	tcttagattg	126840
gggagcagca	gttgcctgtg	gagaagaaga	ggatcttctt	gatatagatg	tcagcaaaga	126900
ggaggtgctc	tcttcaagaa	tgacaattcc	aggaagaata	gtagggactc	cacattatat	126960
gactcctgag	aggctcctgg	gccatccagc	ttctaaaact	acadacattt	atactttaaa	
agtggttctt	tatcagatge	tractetete	ttttaattat	acagacaccc	acyccccayy	127020
agtggttctt	gagge	~~~	tactectac	ayaayaaaaa	aayyaaayaa	127080
aacagttett	gacggtcaga	gaattecaag	tecteaagag	gtageteett	atcgagaaat	127140
ccctccgttt	ctttccgctg	tagtgatgag	aatgttggct	gtagatcctc	aagagcgcta	127200
ttcttcggta	acagagctta	aggaagatat	cgagagtcat	ctgaaaggga	gtcctaaatg	127260
gactttaacc	acagecetge	cacctaaaaa	atcttctagt	tggaagctaa	acgaacctat	127320
tttactttct	aagtattttc	caatgttgga	ggtctctcca	gcgtcatggt	acagtttagc	127380
<pre>aatctctaat</pre>	attgagagtt	tttctgagat	gcgcttggag	tatactcttt	ctaaaaaagg	127440
cttgaacgaa	ggctttggta	ttttacttcc	cacgtcagaa	aatgctttag	gggagattt	127500
ttaccagggg	tatggctttt	ggctgcatat	taaggagaga	accttateeg	tatetetaat	127560
gaaaaatagc	ctagaaatcc	agaggtgctc	tcaagatttg	gaatctgata	aagagaggt	127620
cttgataget	ttagagcagc	ataatcatag	tttatctttc	tttataata	atagagacete	127680
octtatccat	atgaattatc	taccaaatca	tagtggggg	atagatata	trattarara	
tataaaaaat	atgateate	atataggeeg	tagegggega	geogetatea	tagttegega	127740
tacygaagat	atcctggaag	atataggeat	LLLLgaaagt	agragererr	tgagggtcag	127800
Ligitettget	gttcctgacg	etttettge	tgagaagtta	tatgatcgcg	ctttagtgct	127860
ttaccgaagg	atcgcagaat	ctttcccagg	acgtaaagaa	ggttatgaag	caaggttcag	127920
agcaggaatt	acagttttag	agaaggcctc	tacagataat	aatgaacagg	aatttgctct	127980
agccattgaa	gaattctcaa	aattacatga	cggggttgct	gctcccttag	aataccttgg	128040
taaggcttta	gtatatcaga	gactccaaga	gtataatgaa	gaaattaaga	gtttgctatt	128100
<b>agc</b> attgaaa	cgttattcgc	agcatcctga	aatctttagg	cttaaagacc	atgtggttta	128160
ccgactccat	gagagctttt	ataaacggga	tcgccttgct	ctggtgttca	tgattttagt	128220
	gctccccagg					128280
	tctcgggcta					128340
ctcttctaaa	atggaattat	ttttaagtta	ttaatctaaa	tttattccc	atotoaatao	128400
tetattteat	agagettggg	atcaaagcca	tatacasast	ttastasas	ttttatatatat	
tacttataat	attastast	accadagega	cycycyaycu	ctyatcyaya	tttttttatgt	128460
	cttcataaat					128520
tettgaggat	cagaaagcca	cagaagagat	tgttgagttc	tctttcgagg	atttaggggc	128580
atttctttt	gctattcaga	gcatctttaa	caaggaagat	gcagagaaga	tctttgtttc	128640
	ttatcgccaa					128700
tcttctggaa	tctcaaggag	aggctatttt	tcaggctttg	gatctcatcc	gaagtaaagt	128760
tcctgaaaat	ttttatcatg	attacttgcg	gaatcatgaa	atccgagcgc	atctttggtg	128820
ccgcaatgag	aaggctctaa	gcacgatttt	tgaaaactat	acagagaaac	agctaaagga	128880
tgagcaacat	gaactgttcg	ttctctatgg	atgttacctt	gctcttatac	aaggtgctga	128940
ggcggcaaag	cagcattttg	atgtatgtcg	tgaagat.cgc	attttccctc	cttcattatt	129000
	tacaatcgtt					129060
tttattatta	cgacaaaagt	ttctctattt	caattatat	ggtaaggaag	aagagcggcg	129120
cttatoccao	actatgtatc	agetettaag	ccattgcctt	ggcaaccacg	acgagegega	
atratataa	actatglate	accicicaac	Cgaagaattt	cagctttaaa	tgatttgtgt	129180
atygteteag	gatcttagat	tetaagetee	taagaatcga	gttcttcatt	gcagatatac	129240
tttttcagca	acgagtcctt	acttgcatag	atatetttgg	gagatcctga	aaaaagaagc	129300
TTTCCTCCTT	gtttcccaga	recegggeet	atctctatga	ggtagtccgc	agattttaac	129360
aacttcacat	cgtgatctat	gtagattacc	gagtggccgc	tatttatgag	ggagcgaagt	129420
ttttctggaa	gatgttgttt	tttgattgga	tctagagaag	aaaagagctc	atcaatgaga	129480
aatagggtgg	gagtctctgg	agtttgatag	agaaaataag	cagttttcag	tgctgttttt	129540
tcacttacag	ataaggaaga	gagtttttgg	ccgataggaa	gatagccgag	tcctatgtca	129600
agaagtgctt	ttagaggttt	ttgtatcttt	ttaataaagg	gaaatcagag	ggctacagtr	129660
tcaatcggag	tatgcaaaag	ttctccgaaa	tacttacett	cataaaaaaa	ttcctgages	129720
agaggttgga	tacgaaatcc	tgagcaggta	addcaddaac	gcttttctaa	adcotagea	129780
gcccgatcta	tccattggta	cccaagtcch	tagcaatcca	agcattgtcc	ttattttata	129840
2		-00005000	- 550446669	-goulegace	ergerregea	129040

tttgtactga acatcgtaga tgaaatattc agggctttgg cttgtgttag cgaagcataa 129900 aaagetetea aggaaggage aatategaaa taggtgetga tateagageg ttgegatgaa 129960 gctattggat gagagtcgat cactacaagg tcggaaaatg ttgtagttcc ttttgctatc 130020 aggageteag ettgttttt aaateettet aaaagtagag aggtttteee agateetgaa 130080 actoctocaa tggcaaccaa agcatggaga ggagcogata otttcaaatt otgaatatgg 130140 tgtatcgata gatttacctt taatgtacga tcggatcctc gggtatggtt tgccttactt 130200 atagaaagtg gagcettggg acaaacetca gtttggggaa egttagegtg taggtetaca 130260 gatgggcaaa cctcagtatc agaatccatg agaaatcctc cttgaggtcc agatcctgga 130320 cccaagaaga tcgcgtgatc ggcatggggg attaaagaac aggaccgatc ggtagcaatt 130380 actgtgttgt tatttgctac gagctcttta agtagctgaa ctatggtagg aagatcctgg 130440 gggtgcagtc cagaaagagg ctcttcgaat aagtagacga tgttggtaag atttatagag 130500 atetttttgg caaggtgtaa aeggtagtte teaceateae tgagagtgte ttgeetttge 130560 ccaagggtaa tatagctcag gcctacttta ctaatgaagg taaggcgatt catcaaatct 130620 tggattatgc ttcttgtatc atcggttcct atagtgttta ggaaagattc taagaatgtg 130680 gcatcttcct gataaatatc caaaagcgag gtattgttga ttcgcacata gttggcataa 130740 tegtttagte etgageettt geaggeagga eaggaggtaa gageaageag aggttttate 130800 aggggagagt cagattcagt atctagctgc tccataagta gtgcgttcat tcctggaaac 130860 tctgaggaac ctcggcaaaa atttaggaac tctttcgtag ttagcaactt tagtggttga 130920 gaggcattct catctttaag cagcttttgt acaggcttca tatagctctt tggaaagaat 130980 aaactaaaaa actctaaagg agtgtagtga gcaatttttt ctttatgctc ttctagggag 131040 atttttagga tttcgccacg acctccacat gtaaggcaac gaccctcggg atggtcagaa 131100 gnaagtagtt gatgtgtaat ctcgggatag agtctccctt tcttatcttt ccaccctaag 131160 gaatacgaga gttttcgttg ctttttctga gagatataga tccagatttc tgaggataga 131220 gaaaaagcta ccgagattgc ggataataaa gaggaactat ttttcgggga tacttttgta 131280 tgttgtatga ctatagcagg ttctatgaga tttagaggca gcctctcatc taaatcatag 131340 aggttcccct cagaatataa ctttatgaat ccctcttttt gtttttcttg aaggaagatt 131400 tocagatoag aaccaagagg aatoggagag gttatagtga ogtaatogto titatagott 131460 ttgagtaggc tatcgatgat ggtctgaggt gtagttttag agagtttttc ttctgtaagg 131520 ggagaaaaag gttctcctaa gatggcaaag agcttttcca gaccattgct taatccgaga 131580 gccgaggcta ttgtatggta cgagcgattg gaggagctac attttcttac cgaaatgact 131640 ggagagagtc cttttacctc tcctacagag ggtagaggag tctccttaag cagaccctgt 131700 ctaatgtagg gagggaagag ctcggcataa gcgatatttc ctgatgcata gagtatatca 131760 aagactaaag aatgtttccc tgaggctcca ggacccgcaa ttgctattag ggagtttctc 131820 ggaagagcaa gatctatgtg tttgagatta ttttgatagg catccttgat aaggatatca 131880 caagatttag gagaggatgg cggttcagat tttactaccg gtatgtctag agaaccttca 131940 atataggggg ccaacgcttt tgctgttgga gtatttagtt ggataagatc cttaggggtg 132000 caggatgcca ggaggtatcc tccgagatct cctccttcag gacctaattc caaaacataa 132060 tcacaaactt "tgacaacgtg catgttatgt tcgataacaa ggactgtgtg ccctagatat 132120 gtgagggata gaaggacctc gatcagtgct tggatatcat gagtatgaag gcctgtcgta 132180 ggttcatcta ggacatagag tgtttgctta ggagaagcaa agagaagctc gtgagcgagt 132240 tttagccttt gaatttcccc tccggataat gtggaaagag gtcttcctaa gggcaggtaa 132300 132360 aatttttctg cttcgtacgc tgtcatatct aaaatatcag cgatgttctt cccttcatag. 132420 aggatttcca atacttctga gtgataacgc ttcccttggc attcagaaca ggggatgggt 132480 132540 gtateateat eggagatggt categtteet aacceetgae actgaataca ageteettga ggttggttga agctaaaatg agcttttgtc agtccttgac gtaggctgcg aggttgagag 132600 132660 gcgaagagtt cccggatatc atcaaaggct ttaatatagg tcaaaggtat cgaacgctgt 132720 gagegteetg gaagateteg ggtaatgtga atcaagegge etatgeatee eeacteaaaa tgcagatttt tagggttctc ttgtttcaag aagctttcta tagcaggcac taacgtatta 132780 ttaattaaag aggatttccc cgatccagag actcctgtaa ctccgattag ccgagctaac 132840 132900 ggcagacgaa tagaaagatt tttaaggttg tggatcgttg cttctgttag caagagccaa 132960 gatgtgggag cttcccggga ttctggaatg ggaatggtaa gctcttgacg caagtatttt gctgtcagag atgaggagtt catgaggaag tcctcaggct ttccattaaa gaggacctcg 133020 133080 cctccgaaaa ttcctgctcc agggccgatg tcaataatcc tatccgcaag agaaatcatc cgttcttcat gctcaacaag aatcaccgta ttgccttgat ctcgtagctt tttaatgaca 133140 ccgatgagct tttcagtgtc ttgtggatgc aagcctatgg agggctcatc taggatatag 133200 gtaatteeaa aaagttetee teetaggtgt tttgetattg etgtaegtte ttgtteteet 133260 ccagaaaggg tagctaatgc gcgatttgga gtgaggtagc ctagccctaa gtcaataaga 133320 133380 aaagagagcc tttgctttag tccctgcagg atttcttgaa tagagagaga aggagatttt 133440 accttagaaa aaaatacgtg ccagttattt agagacatct gttggaattc agtgaatgtt tttccttccc aagtagctac ggaagcgtag tctcctaggc ctgtaccttt acatagggaa 133500 caggaatgtg ctgacatgcc tttggagaga taacgtgagg gcttcgtggt ataacgaact 133560 133620 ttatctccta tatcgttaag tacacctctc catactttat aggtgagatt cttttttcct aaagtitgat cgaagagtcg tacaggaaga accaagttat tttttcccct aagaaaaata 133680 WO 99/27105

## PCT/IB98/01890

ttttggattt ctggggaaag atctttccat ggagtttcta gattgaaatt taaggcatca 133740 gcaagagett ggtatatagt atgatagaga taggaagaac aatttecage aaagetacag 133800 caattetett taategaaag atttteateg ataagaaggg gattatetat ggaaataaag 133860 atcccggatc cttgacaaag agagcaacgg ctctccaggg catgaggaga aaataattgt 133920 tgagttagag gggtataggt gacgtcatcg atctgttgct ttgtggagaa tgtcatgagc 133980 tettegteac taagaactga geaatgacce teteegaatt ceaaagetgt gaataggeta 134040 actttgagcc ttgcaatatt attttcactt ttgattagag tatcaataac aatatcaaca 134100 gagcagtett caggaatece tgaagttagg aaggagtaaa tggggtggat egtgeegtta 134160 caacgtactt ttgtaaatcc ctgttgtgca tactcatgga ttgcagcaat atctttacgt 134220 agcagaggag ctaaaataga gatctgtaca ccttcagaga gctccataat ggtactaaga 134280 actttctcct tgctgtagag atctaagact tctttagtct taggatctcg agcctgtcct 134340 tctagcgtga agagaagagc aaggtgcgaa aaaagttcag tagtgctccc gacagtcgca 134400 tgactatagt gtgaaaagtg gttctgtttt attgctattg ttggtgagag accatgaatt 134460 tottotactt taggattggg cagogtogtt atogtagtag cgaagaatgt cggaagtgtt 134520 gaaatatago gttttottoo agcagoatat agggtatoaa aggotatoga ggattttoot 134580 gatecegaaa eteetgtgag tagaaegatt teeteggagt taaaatggat agaaaegttt 134640 tttagatttc taactttgat cccagaaaca tatacaggaa gtgatttcat aaagaattct 134700 cgtaatatac ttagaaaggt ctcttaccta accttgagaa aagagtcata tccgcactga 134760 tatettggga titeaagtae aaattaaaee geaatattgt atatteetge aagtateete 134820 cctctcaaga gtttgagtta ataaagagaa ttttttaata tttttcaaa aaagaatata 134880 aaatatttca ttataccatg agtttttcat tgaatagaca ataggacagt atgatcacac 134940 gcactaaaat tatttgcact atagggccag caacgaatag tccagagatg ttagcaaaac 135000 ttctagatgc tgggatgaac gtagcaagat taaatttcag tcatgggagt cacgaaactc 135060 atggacaggc tattggattt ctcaaggagt taagggagca gaagcgggtt cctttagcaa 135120 ttatgctaga tactaagggg cctgaaattc gtttagggaa tattcctcag ccaatttcgg 135180 tttctcaggg acaaaagctt cgtctggtaa gtagtgatat cgatgggagt gctgaagggg 135240 gagtgtetet etateetaag gggatattte eetttgttee tgagggtget gatgttttaa 135300 tagatgatgg ctacattcat gctgttgttg tctcttcaga ggctgattct ttagaattag 135360 agtttatgaa cagtggcctt ctcaagtctc ataaatcttt gagtatccga ggtgttgatg 135420 ttgctcttcc ctttatgaca gagaaagata ttgcggatct taagtttggg gtagagcaga 135480 atatggatgt ggttgctgca tcttttgtgc gctacggtga agatattgaa actatgcgca 135540 agtgtttagc agacttaggc aatcctaaga tgcccatcat tgcaaaaata gaaaatcgtt 135600 taggggtaga aaatttetet aagattgeea agettgegga tggaattatg attgetagag 135660 gagatttagg aatcgagctt tctgtcgttg aagtcccaaa tttgcaaaag atgatggcta 135720 aggtttctag agaaacaggt cacttctgtg tgactgcaac gcagatgcta gaatctatga 135780 ttegeaatgt ettacetaca egagetgaag tetetgatat tgeeaatgea atttatgatg 135840 gttcttcagc agtgatgttg tcaggggaaa ctgcatctgg agcccatccc gtggctgccg 135900 tgaaaatcat gcgttctgtg attttagaaa cagaaaagaa tctctcccat gattcattct 135960 taaaattaga cgaaagcaat agcgctcttc aggtgtcccc ctatctctca gccattggat 136020 tggcaggcat tcagattgca gaaagggcag acgccaaagc tcttattgtt tatacagaat 136080 caggaagtte teegatgttt etetetaaat ategteegaa atteeetate attgeegtga 136140 ctccaageac ttctgtttac tategectag ctttggaatg gggggtctat cctatgctta 136200 eccaggaaag tgategeget gtatggagae ateaggeetg tatttatgge atagaacagg 136260 gcattctctc taattatgat cggattcttg tgcttagcag aggagcctgt atggaagaaa 136320 caaataatet taccetgaca atagtgaatg atattttgae tgggteggaa ttteetgaaa 136380 cctagaattt ttgctttaaa atccaggact tcgcaaattt ttcgagaata tacagatgtt 136440 ttegtaaata tgaattaggg ettttaetee aetgtaagte agggeeeett egaetteaee 136500 ttgaagtttt ttctctcttt atctttaaga tttttagaat agaagatcct caaagagttt 136560 tttagaggag cttgggggtg gtctagagat ttttctagga atcttttaga gtacacagca 136620 caagaacctg tttttctaaa atgcttgtat aaatgctgta gattgttagt gagatcaaaa 136680 atagcaggat agcaattcgg tagagctaga atgtcttgat catttcggag ttggatcaag 136740 gagtactetg ggaattgtte ttgaagttet teaagatgat eegeatttee tagtgttaga 136800 136860 acttgateta caaaaactag aatatggeta tageggtaet tetttttat taegttagag 136920 atetttetet tecacetttt atgaateeae atecattgtt caggetgaet ggegateeet 136980 ttttctaaaa atcccatcat ctgatccata aggatagcca cggattcttt catagggagg 137040 cttttattag catacagett ggeactegga atcaettega ageetttage ttggegagaa 137100 acattaacag caatcacagg aaaacctgtt ttataagcta atagtgctgg agatgtcgtt 137160 gtgaatgetg gagagecaaa gagaggatae gtgtatgaag acateaacaa ggettgatet 137220 ecaacaatee ecaegagttt eccitgatte agagetteta tgeectgttg gatteegttt 137280 tttgggggta caatettace tttgaaaact tetetaagag caaagatttt ettgetgage 137340 ctttgatttt ttatagcctt agcaaaggcg attccaggat agtttttagt gatataaaga 137400 aaaggaagtt cecagtttge etggtggeea caaaataaaa taaggeeetg ettetettgt 137460 agattettaa aagttteete taaatettea ttggaaatga eetetteaga agaaaaaeet 137520

ttggggtttc gtgaggatgt cacgattgta atgagtttgt ctatatttcc gacaagttgc 137580 tegattgega gtaattetaa gagtgtaatt ataagatget geaaagattg acgagetatt 137640 ttataacget catcaaatgt tttttctgga aacgetaatg ctaagtttgt gagggetgtt 137700 tttcgataat cgctgatgat ataaaaggct agaaatccaa aaccttttcc taatcctgtt 137760 aaaaaagatc ttggggtatg cctgcataaa gcaataatac cagagactag gtaatacaga 137820 ggggcttcta ggattgttct cttgatctga tggaattttt tgcccacaag ctaatttgac 137880 tttcgcaaat cactttaaat aatactattg tgcttcttac tatctcaaga tttctcgttt 137940 tgcagcgaag acgctccaga aaggaacatg cttaacagta tcgtaactaa gagaactagg 138000 acagcagcaa cattactcat tccgaaagtc atcccagaag ctccaagcac tccagtacaa 138060 atcaaaatga tcagtataaa agaaacaata gcagtaagag ctaaaagtcc tgcagacact. 138120 gtegetacat ttgetttgga ttetgageta teagaacaac aacaaactgt gttgattgea 138180 getteaaage eetggeecaa geaatetatt aageacataa agttteeeet aactaaattt 138240 tagtgagtct gcactaccac tcttttttat ataatttagt tgtttccttt gtttttgtct 138300 ggatcacaac tttattattt ttgatttctg caataagatt taaaggttca ccgtctgctg 138360 taaaaagtgc aagctttctt aaatattctc ggaatctatg acgaattcca gcctcatcaa 138420 taagggctat atcgtgtaaa attccatgtt cttgggctat aatagtctga agaaaagtat 138480 tttctaaagt tttttcatct aaaaattcta tagcccagtt gatcgaagaa gggtcttgtg 138540 gtgagggcat cacaattgtt aagaccatgt tgttctttac gacatctaaa aactgtctac 138600 ttacatcctt aacatataaa ggaatattta tttgatgaat tccatgattc agaataatgg 138660 gagggacagg atctaagctg tactctagag gattcatcgt ttgaatgaag gttacaggaa 138720 agaatagaaa gaccggtaaa tttaaattta ggggaatgca ttcccttttt aaaaataaaa 138780 ggcgaagaaa atctgcttga gggtcattga gatccatgaa ggtattttca aagggaatca 138840 aaattttctt ccattcttta ggaatgggga aaataatttc gtcatgactt ccctgagcaa 138900 tgcgatttct ttctaactct tcgaacgaaa ttttattcaa attaaaggtt agctcaagac 138960 cttgctcttt caaagcattg atatattctt tggggccact gactttttga ttcaagtact 139020 teggecagae atecaaatae teatateett tegggggaet eeetataggt ttegttatag 139080 ttaataaaat gtcttcggtt acatattgtg taagtcggac aaaaatatcg ttagcgtcaa 139140 egetatggat gtetttgegt atgttgatet catgatetae agagacaagg ttatgettat 139200 ctatagtggc aatccaactt tccgtatggt ttgctgcact gatcactacc tctaaatttg 139260 aaggacggag gtcttgaacg gtatttttat tcccagtgat tgttaaagag acttttttat 139320 tcaggaatcc gcttttttgt agtccaagaa cggtttggtc tggatgtagg tctacgatgc 139380 gcacagggac atttgtgagt gttcgcgtga tggtaacact ttgtcctacg aggatccaaa 139440 tgatgatggc aaaacctaag gaaacaactt ttctaggcca atgccgaata aagagttgag 139500 ataaaaattt tatcatcgtt tccaaatcca agagaataaa ggttttcttt tgtgttcttt 139560 aggggaaaga atactgcgga gtaccgcttt gaatctatct atttttactc cgcgtgttag 139620 aaggeegtet etagacaaag agacaettee attttettea gataetgtga taattagage 139680 atcagategt tggetagete etagagetge gegatgeett gteeceatgg ategggaaag 139740 ctgcgtcgta tcatgagcta gtgggagaac gacgcgagca taggctagaa tgtctcctct 139800 tagaatgacg gcaccatcgt gcaatggaga tgaaggttcg aaaatcgtct ctaaaagttc 139860 ttcagagaaa gttgcattga ttttcaccga agaaaaactt aggtattcat cgaaagaatc 139920 tttgttttct aaaacaacaa gagccccgat ttggcgttct gatagctgat aaatactggc 139980 agctaattgc tctacgaact gctcttgagt atctatgaag aattttttcc catgaaatcg 140040 tatacgagag agagccaaac gaatttctgg ttggaaaata ataaagacca cgatggcagc 140100 gatattgact acgtggagca tcaatctacg gatgataggg aggtggagtt tatcggctag 140160 gacaaataga aagagaaacg caagcaagcc aaagacaaca tecatagete gggtgeeeca 140220 gaaaaatttt aataggtagt ttaacattac ccaaattaaa atgatttcta gcaaaggtgt 140280 tgtataataa gtaatatcaa agggcatagt tttactaggt ccttgggtag tatactgaga 140340 aaagttgcac aaagtgctcg gctattgtcc taggaaaggt aacctattat cttagcatac 140400 gaacaaaaag gttaacagca aagtattttg tagttgcaat actttgtttc atcgttcaca 140460 ttacagtttc taattttata tacaattctg gaagtttatg gatgcgctta tcttatctag 140520 140580 aatacaattt ggattgttta taacttttca ttaccttttt gtgcctctga gtatgggttt gagcatgatg cttgtgatca tggaaggcct ctacttggtt acaaaaaagc aaatttataa 140640 140700 gcaaatgaca tggttttggg ttgggatttt tgccctaaca tttgttcttg gagtcgttac tggaatcatg cagatatttt ctttcggttc taactgggca aatttctcag aatatacagg 140760 aaatattttc ggcaccttat taggtagtga aggtgttttt gctttttct tggaatcagg 140820 atttttagga attttgttat ttggtcgcca caaggtctct aagaaaatgc atttcttttc 140880 tacgtgcatg gtagctttag gagctcatat gagtgccttt tggattattt gtgcgaattc 140940 ttggatgcag actccttcag gttacgagat ggtgatgcat aaaggaaaac tcatccttgc 141000 tttaacctcc ttctggggag tggtcttctc tccaacaact atagatcgct ttattcatgc 141060 agtcttagga acttggctgt caggagtttt tcttgttata agtgtatcag catattattt 141120 141180 atggaaaaaa cgtcatcatg agtttgctaa acaaggaatg aagataggga cgatttgtgc agttatagtc ttagttttac aattgtggtc tgcagatgta acggctaggg gagttgctaa 141240 aaatcagcct gcgaagttag cagcttttga aggtatcttc aaaaccgaag aatatactcc 141300 tatatgggct tttggttatg tagacatgga aaaagaacgg gttatagggc tgcctattcc 141360

aggagcactt tettteettg tteatagaaa tataaaaace eeagteactg gtttagatea 141420 aattootaga gatgaatggo ctaatgtaca ggotgtottt cagotgtato acctgatgat 141480 catgttgtgg ggggttatgg tcgctttaac tttgatttcc tggtctgcat ataagggatg 141540 gcgatgggcg ttaaaaccct ttttcttagt cattttaact ttttctgtct tattaccaga 141600 aatttgtaac gagtgtggtt ggtgcgctgc tgaaatggga agacaacctt gggtägttca 141660 aggattatta aaaaccaaag atgeggtgte teetatagtg caggegaata aaattgtaca 141720 atetttggta atatttaget tagtatteat tgetettetg aetetettta ttaetgtaet 141780 ttgtaaaaaa ataaagcatg gtcctgaaga ggaaaatgat cttacagaat ttgaagtgaa 141840 atagaggtat ttttatggaa ctttctctaa caagcetttt accaettgeg tggtatgtaa 141900 ttcttggagt tgctgtcttt gcgtattctt ttggcgacgg ttttgatctt gggctcggag 141960 ctgtttatet taaagetaag gaggataaag aacgteggat tettettaat tecataggae 142020 ctgtatggga cggcaatgag gtctggttag tgatcattgt cggtgggtta tttgcaggat 142080 ttcctgcatg ctatgccaca cttctctcga ttttctatat gcctatctgg actttggtac 142140 tcctttatat ttttagggga tgttctttag aattccgaag taaatcggaa tcagtgtctt 142200 ggaaaatatt ttgggatatt atctttattt gttctgggac tgccatcagc tttttcttag 142260 gcacgattgt tgggaatctg atcettggat tgcctttgtc tccagacacc tettatgett 142320 ctttatcctg gattttattt ttccgtcctt atgcagcctt atgtggcgct gtagttgcca 142380 gtgcgtttgc tactcacggt tecttcttcg cattaatgaa gacttcggat tetttaaatg 142440 ctaggattgc tcagcaattt cettatatte tttcgteett cettgtette tatgttetet 142500 tettaggage aagtttaate tetatteeca agegttttga tgettteect aegtateeae 142560 tottgatttt gctcattgct ttaacgagct gctgctgtgt tgctgctaag acgagcgtgt 142620 ctaagaaaca ttatggtacg catttattta ttctacactg aacttgttgt ctctcattct 142680 gtoggoagot accotaacgt tooctaatat tottototot actgtagato cacagtatag 142740 ttatactatc tacaatagcg ctgttgaaac taaaacgtta aaaagccttt tgattatagt 142800 gettatagge etteetttea teattaetta taegtgttat atttategtg tgtttagagg 142860 aaaaactaat tttccctcta tatattgagt ttcatttaaa gagtccgaag ccttcattcc 142920 atgagggtcg gatttagatt aaagagactg tgattgcgta tagatccaag aatgaatcga 142980 agaacagagg atctagaaaa tgaagagctt ccattggaat cctttggaag ctatcattat 143040 acttcgttat gaagcttett taattecaae tacataataa geaggaaaag caaaatggtt 143100 gttaggacgt gggagacatt ccacagtgac acgctttcct aaccattgct ctaagttgat 143160 acttgtaccg taaagaaaag caatcgtgtt ttcctgagct tttagtaggt aatccccggg 143220 attgttcttt actacatgag gatacacttc taatacaccc gcaagcactt gtttttctt 143280 ctgttcagcg cgataaaacg cttcttgtgt tagtgcttca gagtggtcat tgccttgctg 143340 catactggcc cagattetga agagagaata etetaggttt tetetteett gggtaagagg 143400 agctgttttt aatgcagttt gcttacgaat atgacgtgaa agtaatgaag ttgtaacttc 143460 agaagaagaa accttaggag tggaacattg tgagcttgca atcgaagtat tttgagattc 143520 tagagattta gaaagatagg catcttggat ttcttctaaa gctttttgta taagcccttg 143580 aatteetgga acatetttaa aetettegga ttgtacaagg ttgatetttt tataaattge 143640 ttccagatca atctcattga ggcttttctc aagctctata tgagcaaagt ttaaagcaga 143700 attgataagg tecatggeaa tetttttttg teeetegegt tgegtataca getegatggg 143760 tcctttgtta gcaacaaagt tttttgcaac atagaatacg cattgtgagg gcaagaccac 143820 ctctaaccat ttcccatgtg gctcttgaga agctggctgt atttgtgtgc ctcgggagag 143880 totcacaagt actggagetg atgttgaggg ttctaaacga acattgactt gttcaccttc 143940 aacgacatta tetaaaacaa atgageggaa cacataaeet gtaatteetg gaggegeaga 144000 aattacgtag tagtetttge ttteteegat aacageaaca agateteett tagaaaatte 144060 cctaatgatg gtcccatcag tatgaggtgc tagacgcatc cgtacgtggt ttcccttaat 144120 ttetecagta aatgaagagg gaagttgtte tggaaaggat aeggattggg aateggeage 144180 atagattgct ggtgagttga ttgcagttcc taaagctaaa agaagcatag aaatctggag 144240 catteteatg etttteteet acaaatatat ttegtetaae egttggttga aaacateget 144300 tacagcaaaa aggagattaa cccctagaaa aagaattata ttgacttcaa ggaaaaagtc 144360 aatcggctta ccaaaagctt aattatgaat gcagttctac taagtatata aaacagcttt 144420 tatatgttca cagttgggtt cgccacaagt acagectatg gggggtccca agtagacgct 144480 aaactgatca ctaggattta agggattcgt tacaatatac aactttatcc ccactttgca 144540 taatgtccca agtgcggaaa gtcagatett tatcagaaac cgccagggta tettetteat 144600 tcatgaccct tccaatttgg cagtgcatac aattgcaatg gggttctggt ctgggtaaaa 144660 gcgttgcatt attccctgaa agtacccgaa tgacatcagc cattttctct aagacgtcgg 144720 taggagcatc aggatgatct ttatgttctg gagtatgttg tagtattgct tcgatgggat 144780 ttgttccaga aaagagggg gaaattagat ttttaggtaa tacttgaatg tcgtttccct 144840 tagttatctg ctgcaataca ttcataagga cccctacacc tagtttatca tcatcacgag 144900 aatcctcttt ccccgattga gaagtttcta ggtagagaag gtgctcttga aaagcaatgt 144960 caataatcga ctgatctaaa ttaggaatag aaatgatttt gccatcaata aggtggagcc 145020 ttagtgttcc ttggtctttg ttttctcctt cctgggattc aataaatgca atttggctcc 145080 atcttgcaga gatgaatggg ggaatacaaa tcagttgatc attaattttg actttcatag 145140 cgatcttggg ggtgaatcta atcttagcag tttgaggcca ttgtaaatgt atctctttt 145200

ttttacaata aattagcagc atagggtttt gattgctaaa ttttctaaaa ggcacgtatc 145260 atgtaaatgg attttttatt atgaatatat tttttgcaat agttcctgat agaaaaacga 145320 aagtatggta gttggacctt aacaacacaa tacgtctttt aatgaaaaga agggttttct 145380 ttggaagtta tgttagagtt gttttaggca aaaatttgta tctgataaag aataaaaggt 145440 tcagtaagag aaggtgagga cgcaaatgaa gaaaacaatg gtcattgata caagtgtgtt 145500 catctatgat ccagaagccc tttttcttt tgaaaatact cgaattatca ttcctttccc 145560 agtcattgaa gagctagaag ccttcggaaa atttagagat gagtctgcta aaaacgcgtc 145620 tcgagcatta agtaatattc gtttgctttt agagaatgca aaaactaaag ttacagatgg 145680 tgtgctctta cctagtggta gtgagttgcg tatcgaggtg gcgccccttt ctaatgatga 145740 taggcgaggg aaacttctta ccttggagtt gctcaagatt attgctaaac gagaacccat 145800 ggtttttgtg actaagagct tgggacgcag ggtgcgtgct gaagcactac aaattgagtc 145860 tegagactat gaaagtaaac gettttettt tegtteetta tacegtggat ttagagaact 145920 gcaagtttct caggaggata ttgaaaactt ctataagaat ggctacttag atcttcctct 145980 agacgtggtc tcttcgccaa acgagtattt tttcatgtcc gcaggagaaa accattttgc 146040 tttgggtaga tactacgtaa gcgaaggaaa gattatcgca ttaaaggcaa tggataagag 146100 tgtttgggga atcaagcett taaatacaga acagegatgt geettggatt tgttgettag 146160 ggatgatgtc aagttagtca ccctaatcgg gcaagcagga tctggaaaga ccattttggc 146220 tttagcagct gctatgcata aagtttttga taaggaaacc tataataaag ttttggtaag 146280 ccgtcccata gtccctatgg gaagagatat agggtttctt ccaggattaa aggaagataa 146340 actgatgcat tggatgcaac ctatatatga taatatggaa gtgttattta gcattaacca 146400 gatggggaat tetteagagg etetecaage tettatggat getaaaaaat tggaaatgga 146460 agetettace tatateega'g ggegetetet acceaaaget titattatta tigatgaage 146520 tcaaaacctc actccccatg aaatcaagac aattatctca agagctggga aaggaacgaa 146580 aattgttett acaggagate etacacaaat egatagtttg tattttgatg aaaattetaa 146640 cggactcacc tatctagttg ggaagttcca tcacttggcc ttatatggac acatgtttat 146700 gacacgtaca gaacgttccg aacttgcagc tgcggccgca actatcctat agaaccttcg 146760 atgttataag tgacttttct tcttcggatc tgtaatagca ggagttttca agtctgtaag 146820 gacaatcaac attettetgt etgtatttee gggtteattt ecaaattett geatagegge 146880 aacaagagcg cattttacag cgtgtatcca tctcatgcgg actttattct cttcactatt 146940 aggetttttt etatttteag gaggegegta gateecagaa gaaattagag ggatttgtag 147000 gaaggttaca cctaaagttt gagctaagct gaagcagttt aggtaggcgt ttttgcagcg 147060 atcaaagget gettgagaet tgttatgatg atccaetget ttaggeecaa gaagttgtge 147120 taggtagtgt ggtttacctt gttttcctgt gtggttggat ccatcggcat ttctccacat 147180 gcctgcccga cattcaccct cattaagagg agtcccctgg cgttcaggat ttagaggtcg 147240 ttgcgacagc cccaagaatc gacactgact gctgccgata gaacttgatt tgtacccgcc 147300 ccatctcgac tcattgttct attggctgcg tttacaatca tcatagacat actatcagtg 147360 adaagacgag gttgtgcaat atttcctgac gtcgagacaa aaatcagctt tgattgattt 147420 agtgcccagg caaagatttt ctggtttttt tctgctggtg gccatgggaa cggctcctct 147480 acaggagtcc aattctccaa gagcatctta tgaaacagag atagaggaga aaccatagag 147540 tetggtgacg gtttettgee taggatgggg gaagetteta taetteeagg tacaatgtga 147600 tctgtaggtg taggggagac ctctggtctc tgaggtatgg gtggcttagg ttgtgtcggt 147660 atttetttag gtgttacagg tggggggett tttttttate ttettgtaae agateateea 147720 ggaacggatc tttgaatcet gttggagagg taggagtaga aaatatggcg tctatttgct 147780 gccccatgtc aaggggagta ggtgttaagg ggttttgagg ttctcttggc tctggaggac 147840 ggcagcaagg acaaagatac cgaacgatca actttataat cttaatgact cctaagacca 147900 ggtaatacag agctttaatg ccgaaaattt ctagccaagc ttcttttcta actttaggaa 147960 gtteeteata gateteagga eagggtaatg tittaeaeac tgaagagaag tieeetgtea 148020 ttagaaccat agaatattga agagaactaa tteettttaa ggttttgata eetataaatg 148080 tactaaatat cggaatatag cttgcaatac gttgtaaatt tgtgcggtgt aagggattca 148140 ctaaaggagt atttcttagt gcggttgagg tttgacccag aggcgtgtgc cgatggctaa 148200 ttataaagac ttcttcatta aaaatgctca taagaatcgc cttataatga aataaatttt 148260 ttcattaaga attataaaac aacttatctt tcttttctat ttctatgaaa tctagaaggg 148320 ttttttaatg gatatttgat ttctttaaag actttaggaa gacattgtct aaatttggta 148380 aaaaagacag attctcctcg ttaagagggg atgagtagca ttttaaaata atttttttaa 148440 ataatggagg tggagagact cgaactctcg teettgacaa acteectget aacetetaca 148500 tgcttatctt ctagaattgt ttacattgga ctcccttagc tagaagcctc tatagcagcc 148560 aatgactctc aaaaatctcg aacgaacttc cttgagaatt agagaaagta agttccaacc 148620 agataaatga cggtattttg caagcetetg gtggageteg cagataeegg gttaeetaga 148680 gattatctag ctaacaactt ttgctaatta agcagctagt ctttcctcta ctgagtcaaa 148740 caagetaata atttegeatt cageettagg tteggeattt attgttttgt tggettttta 148800 ggaggccage caacgccctc cgcatgcaat taacacttca ttttcaagtc gaaacctata 148860 cacccccaca acaattttag aagctggtta gcttttattc aatcatcgta ttttggtcaa 148920 gttctaagaa cttcttagag atctctagag aggtgggcta tggacgaaaa cctaaaaaac 148980 ctctattgta aatatgtttt catatcaaaa tgttcctaaa ggcaaaagat gacagcagat 149040

gaggtaggga aaaatagctt tgcaaaaaaa gaagaacagg ttttgaagtt ttggaaagac 149100 aatcaaattt ttgaaaagtc tttgcaaaat cgtcagggaa aaaccctata ttctttctat 149160 gacggccctc cttttgctac aggtcttcca cattacggtc acttattagc aagtaccatt 149220 aaggatgttg ttggacgcta tgctaccatg gacgggtact atgtgccgcg acgttttggc 149280 tgggattgcc atggggttcc tgtggaatat gaggtggaaa agtctctgag tttaacagca 149340 eccggaccca tegaagattt tggtatagca teetttaaeg aagagtgteg taaaategta 149400 tttagatacg ttcacgagtg ggaatactat atcaatcgta taggacgttg ggtagatttt 149460 tottotactt ggaaaactat ggacgottot tttatggaaa gtgtotggtg ggttttocaa 149520 tototatata accaaggatt agtgtacgaa ggtacaaaag ttgtcccttt ttcaacagca 149580 ttaggaacac ctctctctaa ttttgaagca agccaaaatt ataaagaagt cgatgacccg 149640 totottgttg taagaatgoo tottoagaat gattoogoat oottgottgt atggacaacg 149700 actccatgga cattgccttc taatatggct atagctgtag gggaaactct ggtttatgtc 149760 cgtattcaag ataaaaaaag tggagagcag tggatcctaa gtcagggatg tgtttctcgt 149820 tggttttcaa atccagaaga atttgtaatt ttagagagtt tttctgggaa agatcttgtt 149880 ggtaggactt atgagccccc ttttactttt ttccaatcta agcgagagga aggagctttt 149940 cgtgtcattg cagcttcgtt tgttgaggaa agtgaaggaa caggagtcgt acatatggct 150000 ccagcgtttg gtgaaggaga ctttttagtt tgtaaggaga accatgttcc tttagtctgt 150060 cctgtagatg ctcacggaag ttttacagaa gaaatacctc aatatcaagg gcaatacatt 150120 aaacatgctg acaaggaaat catcaagttc ttgaagaaag aaggaaggat tttttaccac 150180 ggaacagtaa aacaccggta teetttetgt tggagaacgg atacteettt gatttataaa 150240 gccgtgaatt cttggttcgt cgctgtagaa aagattaaag ataagatgct tcgtgctaac 150300 agctcgatcc attgggttcc tgaacatatc caagaagggc gttttggaaa atggttggaa 150360 ggcgctcgtg attgggctat cagtagaaat cgttattggg gaacgccaat tccgatttgg 150420 aaaagtgctg atggcgagat tettgttgta ggatetatee gagagetaga agaaettaea 150480 ggaactcaga tcacagatat tcataggcat tttattgatg atttgaacat tgtcaaagat 150540 ggcaagccct ttcatcgaat tccctacgtt tttgattgct ggttcgactc tggagcgatg 150600 ccttatgccc aaaatcatta tccttttgaa aatcaaaagg aaaccgaaga ggcatttcct 150660 gcagacttta ttgctgaagg gttggatcag acgcgaggat ggttttatac tctcacagtg 150720 atttctgcaa ttttatttga tcgtcctgca tttcgtaatg ccattgtgaa tgggattatt 150780 cttgcagaag acggcaataa aatgtcaaaa cgtctaaata attaccctag tcctaaatac 150840 gttttagata ettatggage tgaegegett egtetatatt tgetteatag tgttgtegta 150900 aaggetgaag atettegett ttetgataaa ggaategagg gtgttttgaa geaaateett 150960 cttcctctaa cgaacgtact ttcctttttt aatacctatg ccgagctgta tggttttgat 151020 ccgaaatcac aagatataga accagcttat acagagattg atcaatggat tttatccaat 151080 ttgtatagtg ttgtaggtaa agttcgtgag agcatgagtc agtatcattt aaactttgct 151140 gtagaaccct ttgtgacctt tattgatgat ctgactaact ggtatatacg tcgctgtcgt 151200 agacgttttt gggaagctga agatactcct gaccgtagag ctgcattttc tactttatat 151260 gaagttetea cagttttttg taaggtaatt geteeetteg tteetttet tgeegaagat 151320 atctatcaga agttgaagtt agaaaaggaa cctgaatctg ttcatctctg tgattttcct 151-380 caagtcgaga tggataaaat tctccctgat ctagaaaagc gtatgcacga tattcgggaa 151440 atcgtaggtt taggccattc tttaagaaaa gaacacaagt taaaagttcg tcagccttta 151500 gcaaactttt atgttgtcgg gtctaaagat agattgtcgc ttctaaaaac atttgaaggg 151560 ttgattgctg aagagctgaa tgtgaaaaat gtgattttct atgaagaagc tccgagtttc 151620 atttatacta ccgtcaaacc taattttcgt atgcttggga aaaaagttgg atctaagatg 151680 aaagaggtee aaaaagetet cagtgaaetg eeaaacaatg etatagataa getgatteag 151740 gaagaaacat gggttttaac cattgatgat agagaaatag ctttggatgg tgatgacgtc 151800 gtgatttgtc gtcacacaga tcctggatat attgcccgta gttccgctct atttagtgtg 151860 attttagatt gccagttaag agaacctctt atagtcgaag gtatagcaag agagctagtc 151920 aataagatta atactatgcg tcgaaatcaa caacttcatg tttctgaccg catcgcatta 151980 agaataaaaa ccacagaggc tgttcatcgc gctttcttgg attatgaaaa ctatatttgc 152040 gaagaaacgt taattatagc ctatgatttt actcaggatt ctgatttcca aggggaaaac 152100 tgggatatta atggacatgc aacgcaaatt gaaattacag ttagttctat agattcttag 152160 agattttcta gaaacaactg aaaaaccata agaatggtta tttcttgtgg tttttctcct 152220 ctttcttagg aaagagtctg cgtcgttttt gatagtagac atatccaatg agagagagac 152280 ccgtcgctaa tgctatccca ctaacaagat aacctgagag tgttgttgga gcagaaactc 152340 cagttaaccg teceatgegt ecaataggee agaatgtaca tagaggagat ectaagagat 152400 tttccatagg aacaaagcca aattctcgac tatccgcact catagggtag ttatctccca 152460 agacgagaac atgaccttta ggaacttgaa taccaaaatt atgtataaac tccacgaatt 152520 ctttaaaatc ttetggaggg agtcccttgt caacaaaagc tatatagggt tgtgtctctg 152580 aagacccctc ttgcttttcc gtttcagaag tcacaaattt ttgcagagtt ggatcattct 152640 ttataaatac aggagaatcc atgatataaa gattcccttg gttaaagaat gcataacggt 152700 taggtaaagg tgcttgcagc ggattcacag gattataaat agaactaaag ttgatcccgc 152760 agttaaaaag ttcaatcact tgcttatcat tgagctgagt aagggggtga gaagatttta 152820 gcttataacg aatctctcca aagccaattt gatacgcttc gcctttagaa tattcataac 152880

		•				
aaccatcagg	gaccttgggc	aggagaattg	cataggcttt	ggcaattcct	gaagtgttaa	152940
tcttgaattg	atggtattta	tacgcacatc	cttgagcaac	aataaaacga	gaggtagtaa	153000
gattgttccg	aattaagtgc	aaatgttcct	tacqcaaaqq	aagtaaagtc	ttcataggtt	153060
gaatcgcagg	cgagagctga	tgctcatagt	gacgcaacag	aggetttggg	taggaaagge	153120
tegetatata	gcaaatttct	aagtagagtt	tagttggat	tastaast	caggaaaggc	
gagatattag	taataatat	tatattacan	tageeggaee	coccygatte	gyaagtagat	153180
gggatgtttg	tgcctgatgt	cctyttaaga	cgcgcaccat	agcatagtta	cccataccaa	153240
aaagatcggc	atagctgact	ggcgaaagat	gaggatcttt	taatttatta	ggctcgtctt	153300
gatgccattc	tttatggtca	aagaattgtc	catacatgga	ggtttgaggg	aaaatcagcc	153360
gaccataact	ttgattgaac	tgcttaaaat	ctataattgt	tttctgccct	tctgtatggc	153420
tgctggtagt	gccatcaaag	gatatatagg	ggacgtgata	taagttttct	aaaccatgga	153480
cagaaggaaa	ctctatgcgt	ttacctgcat	catcaagacc	ataaatttt	cctccataga	153540
aatataanaa	gtccccaggt	cttcccatcc	aacatttaat	ataaaccttt	tttast	
taaataagaa	ataatttata	tanantata	aacyccaac	gtaacyctet	ttteetggaa	153600
tcaatccyaa	gtactttgta	ccagcatetg	ggatagggag	grcgccraca	gtgaaaacaa	153660
caagaccccc	gcgagttacg	gattcaggat	tgaaggcaag	tggtttctta	gcaaaagggc	153720
aatggagacc	aaatgttgtt	ttggatacaa	gaatccgatc	ctgttctaaa	attgtaggcc	153780
tcatggatcc	tgtaggcact	tcataaagtt	caaaccaaaa	ttgccgaact	aagaaggeta	153840
caacaccagc	aaaaagaagg	gccttgataa	gctcataggt	tttgcgtccg	aaggaattag	153900
gataacggtt	ggaaaatgct	aatgettget	gaggtaagtg	acttacaatt	tottostost	153960
ottcasagat	agcctcttct	acttottota	gagetaagte	goodgoogco	ttatat	
gecedaagae	ageceeeee	agecycecta	grayerery	Caguigetti	ctatetgeag	154020
gggaatgggc	gagttttta	ctttttaaaa	gcttataagt	actgcggagg	atatgacgac	154080
ttttatttag	agaatagtgt	tgtttcataa	<b>a</b> gatact <b>g</b> gg	gtaagaaagt	cagattctat	154140
<b>c</b> tctttagat	tgattataga	acggctgcat	tggatacttt	agagctaatg	gagactgaag	154200
acctaaatga	aaaatcaaaa	caatcctcga	gctaaattcg	taaqtacatt	ctagcgtatt	154260
agatttttcg	atccaaaatt	attttgctat	attottagat	cttttcattc	tatettagag	154320
tcaggaagag	aatagacata	aaaaaaatt	acccatata	ctatatocao	agetettagt	154380
atagaagag	atttagacaca	ataastaata	geceegegee	~~~~~	agetettaet	
acagaageee	ctttaggagt	Cicgatacte	acccacaaag	gaaacacaga	aatgtcaggt	154440
Lgggtgaaat	acataaggat	rectificat	gataaggggc	ctcgatcttt	aggccagagc	154500
ccctgccatg	cattcacaga	gattgacgtg	agtggagccc	cttcaaaaga	aactttggga	154560
gaccagggct	tgttttcttt	tcctttagtc	ttgattacgt	ttgcgggagc	tggagataaa	154620
ggaagatcaa	agatttgcaa	gaaggcagga	actgtagtgg	attttcctac	aggetetagg	154680
ctcttggttc	gagtgtttaa	agagaaaaac	tgagaacctt	cagaagagag	cgaaacaaca	154740
aagacttgtg	aaggtgattc	cagttgatga	atgaccgttt	tccaagaagc	ttattataaa	154800
gaagggggtt	ctttatgggc	datacadda	aaataataa	tetatata	nagetttta	
gaagggcgcc	atttaagge	gacacaggga	adatggatga	atamata	aacggtttta	154860
ggggcgccg	atttgactaa	aacaaacytt	Cuttgagace	cicgactiaa	aacagtatag	154920
teteeagtet	tagcaagaaa	aatattttt	tgaattgttc	gtaaagaact	agtttgagag	154980
gcaaaaagac	cagaaaaagc	cgtcgagaag	aggaaagata	gaaagaggaa	taagaagagt	155040
gtttttcctt	gctttttcat	aagatatttc	tgtagaatcc	tctcgaagta	tgtcgagcta	155100
tcatttggca	taataggata	gcgattttgg	agttgtcaat	atgaaaaaaa	atacccaccc	155160
tgaatataga	caggttttat	ttgtagattn	ttcaacaggg	tataaatttg	tttgtggatn	155220
tacctatcaa	agtgaaaaaa	ctgaagtttt	tgaaggtaaa	gagtatectg	tatottatot	155280
cagogtatoo	tcttcttctc	atccttttt	cactogaagt	aagaagtttg	ttastactas	155340
agegeacce	nataanttot	taaaaaatta	tactagaage	aagaageeeg	ccgatgetga	
agg caggg ca	gataagttct	taaaacgiia	tagtaatgta	agacagcccg	cacagcaacc	155400
ccagectgaa	gaagacgcac	tacctgctgc	taaaggaaag	aaaaaagttg	taactaagaa	155460
aaagaaataa	aacttcttt	agatttccca	tttataaaac	ccattctcag	gctctcaagc	155520
	gtttttttgt					155580
gctttcctag	gtcacgataa	ttttgaaata	gataacgtta	gatgcctgta	tcagtatacc	155640
aaggtgtttt	agagaatttt	ttatctgatt	ccatttgata	ctgatttttc	accacttttt	155700
agggattcat	gaagaaaaaa	attaccasat	atttaaacco	tttaggagaa	ataasatas	155760
222tttc222	tcctgaaatt	ttttataat	attactacte	tecageagua	gccgaaacaa	155820
adattttaaa	tetegaaatt	LCCCCaacc	CLaaagaata	cagegetett	agcaaggaac	
attettatet	tctagaattg	aaaaacgcct	acgataaaat	cttaaattta	gaaaaagtcc	155880
	taagcaagct					155940
aagaggggat	taacgaaaat	aaagtagagc	tagagaaatt	aaataaaata	ttagaaagct	156000
tattagtccc	cccagatcct	gatgatgatc	taaatgtcat	tatggaacta	cgagccggta	156060
caggaggcga	ggaagccgct	ctctttatta	gagattatat	ccgcatgtat	cacctgtacg	156120
	gggatggaaa					156180
ataaccaata	cgtcatgggg	atotoaccas	ctagagtas	anatttaatt	and the trans-	156240
ctaataaaa	togactte	accicaggaa	ocygygcyaa	gcyctact	caycacyagg	
etygtacaca	tcgagttcag	ayayılcetg	aaacagaaac	ccaaggacgt	gtacatacat	156300
ctgcaattac	aatcgctgtc	cttccagaac	cttcagaaga	agatacagag	cttcttatta	156360
	tttaaaaatt					156420
acgttactga	ttctgcggtg	agaatcacac	acctgcctac	aggtgttgta	gttacatgcc	156480
aggatgagcg	cagtcaacat	aaaaataaag	ataaggccat	gcggattctt	aaagcccgga	156540
ttcgtgatgc	agaaatgcaa	aaacgccata	acgaggcgtc	tgctatgcgt	tctgctcagg	156600
taggaagtgg	ggatcgttcc	gagagaattc	gcacctataa	tttttctcaa	aatcocotos	156660
ctgatcatag	aatcggatta	actttatata	acttagataa	agttatggaa	ggagacctag	156720
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					Jangucceay	20,20

```
atccaattac gactgcaatg gtgagtcatg cctaccacca gttactcgaa catggaaatt
                                                                      156780
aaaaaggcga ttcaagaggg aaccgcttac ctagattatt atggggtgcc tctttctgat
                                                                      156840
tgcgaagccc tgtatattct catggattta ttagaagtca gttcaagggc aaagttattc
                                                                      156900
gatettgttg gaattagega aaegatgett atggagtate gaaagagget agetttaagg
                                                                      156960
gggcaacggt gtcctactgc atatctcaat ggtgccgtga gttttttggg attaagattg
                                                                      157020
agagtggatt ctagggtttt aattcccagg acagagactg agctgcttgc tgagtatatt
                                                                      157080
atcaactatc ttttatctca ttctgagatt caaacttttt atgatatttg ttgtggtagc
                                                                      157140
gggtgtttag ggctagctat caagaaatcc tgtcctcatg tggaagtggt gctttcagat
                                                                      157200
gtttgtccgc aagcagttgc cgtcgcaaat gaaaatgcta aaagtaatgg tttggatgta
                                                                      157260
aagattette taggegattt gteageeece tacaetegte etgeagatge ttttgtttgt
                                                                      157320
aatcccccct atttgtcttt taatgaaatt attcatatag atcccgaagt gcgttgttac
                                                                      157380
gageettgga aggetettgt tggaggttet aegggtttgg agttttatea gegtategee
                                                                      157440
caagaattgc ctaagattgt aacttctaca ggagtcggtt ggttggagat tggatccagt
                                                                      157500
caaggagaaa gtataaagaa tattttttcg aagcacggaa tttatggccg tctccatcaa
                                                                      157560
gatttgtctg gacgcgatag aattttttt cttgaaatgg atgggagaga tcctgtatcc
                                                                      157620
tcgggggctt attcttgatt ttttctggat aaatgattaa ttctttatcg caaaagctat
                                                                      157680
cttctatttt ttctttttg gtttcttctc gtagaattaa tgaagaaaat atttccgaat
                                                                      157740
ctattagaga agttcgtctg gctctcttgg atgccgatgt aaattatcat gtagttaagg
                                                                      157800
attttatttc taaagttaaa ganaaaatcc ttggagaaga gatctggaag catgtttccc
                                                                      157860
cagggaaaca gtttatacgt tgtttgcatg aggaattagt agcattttta agcgatggaa
                                                                      157920
gagaagagtt tactattcag aagacgcctt cgatcatcct tctttgcgga ctccaggggg
                                                                      157980
caggaaaaac aacaacagct gctaagcttg ctgattatgt aattaagaat aagaaagcaa
                                                                      158040
aaaaagteet tgtggtteet tgtgatetea aaagattege tgetgtagat cäattaaaaa
                                                                      158100
ttttggttgc tcaaacgaaa gctgaatttt accaaagtca agagaacaag cctattgatg
                                                                      158160
ttgttgttaa agcgcttgca tatgctaaag aaaatggtca tgattttgtg attctggata
                                                                      158220
ctgcagggcg tctcaatata gataacgagc ttatggaaga gctgacggcg atacaaaaag
                                                                      158280
tttctcaagc taatgagcgt ctttttgtga tgaatgtagc tatggggcaa gatgttttag
                                                                      158340
caacagtgca agcttttgat cagtctttag atcttacagg cgtgattctt tccatgactg
                                                                      158400
atggagatgc tcgagcaggc gctgttttct caattaagca cgtccttggt aagcccatta
                                                                      158460
aatttgaagg atgeggagaa egeatteaag atettegtte attegateet caatetatgg
                                                                      158520
cggaacgcat tettggaatg ggggatacca taaattttgt taaagaaatg cgcgagtata
                                                                      158580
tttctgagga agaagacgct gagctaggta aaaaactagt tactgcggct tttacttatg
                                                                      158640
aagactatta taaacagatg aaagcatttc gtcgcatggg acctctaaga aaacttttgg
                                                                      158700
gaatgatgcc tggttttaat aatgcgaaac ctagccaaaa ggaaatcgag gattctgaac
                                                                     158760
aacagatgaa aagaacggag gcgattatcc tgtccatgac tcctgaagag agaaaggagt
                                                                      158820
tggtggaatt ggatatgagc cgtatgaaga ggattgcttc tggttgtggt ttaactttag
                                                                      158880
gcgacgtgaa ccagtttcga aaacagatgt cgcaatcgaa aaaatttttt aaaggaatgt
                                                                      158940
ctaaaggcaa gatggaacaa gttaggaaaa aaatgtcagg aggaaatcag tggcgttaaa
                                                                      159000
aattcgttta agacagcaag ggcgtagaaa tcatgttgtt tatagattag tgctcgcaga
                                                                     159060
tgtcgagtct cctcgtgatg gtaaatacat agaattatta ggttggtacg atccacatag
                                                                     159120
ctctataaat tatcagctga aaagtgaacg aattttttat tggttagaga ggggagccca
                                                                     159180
actttcttcg aaagctgaag ctttagtaaa gcagggagct ccaggagtgt atagtgcgct
                                                                      159240
attgtctaaa caagaagctc gtaagttagt tgttcgtaag aagcgacgtg cttatagaca
                                                                      159300
gcgtcggtct acacaaagag aagaggctgc aaaagatgca actaagtagg tagtgaactg
                                                                     159360
ggatgaagat cgatatactt tetttateec caggttattt tgatggteea ttgcaaacga
                                                                     159420
gtattcttgg tagggccata aagcagagac tcttagatgt ccagcttaca aatcttcgtg
                                                                     159480
actttggact cggaaagtgg aaacaagttg atgatactcc gtttagtggt ggtgggatgc
                                                                     159540
ttttaatggc agagcctgtc acttcagcta ttaggagtgt aagaaaggag aattctaagg
                                                                     159600
taatttacct ctctcctcaa ggagctttgt tgacagctga aaagagtcga gaattggctg
                                                                      159660
ctgcttcgca tttgatatta ctttgcggtc actacgaagg tattgatgag cgtgctatag
                                                                      159720
agagcgaagt ggatgaagag attagtatag gggactatgt cctgactaat ggtggaattg
                                                                     159780
ctgctctggt ccttatcgat gcagtttctc gttttattcc cggtgtattg gggaatcaag
                                                                     159840
agagtgctga gagagattct ttagaaaatg gtttgctaga aggacctcag tatacacgcc
                                                                     159900
ctagagagtt tgaagggaaa gaagttccag aagtattgtt gcaaggggat cacaaagcca
                                                                     159960
tttcatcagt ggagattgga gcaaagtgag cgtagaactt atgagagacg tcctgatttg
                                                                      160020
tatctgaact atctctataa acgctcgatt gatcacaaat ttgatgagga gactacaaca
                                                                     160080
aatagggatc atttcaagtg tgacaagatc tctgtagtac tagaggtaaa taagttaaag
                                                                     160140
cgcgcaaaaa atttttactg taaggtattc ggtctggatg ccatgagctg cgagaataaa
                                                                     160200
ttttgtcttc ctcatgaagg caaaaccata ttctggttac gagaagttca agctgagaaa
                                                                     160260
aaaaacatag tgactctctc cctttcctta gattgtgcat gcgaagagga cttttgttat
                                                                      160320
cttcttagaa gatgggagtt atttggtgga aagttgttag aaaagcaagc tgatgagcat
                                                                      160380
gctgtatggg ccctagcaca agatttagat gggcatgcat ggatattctc gtggcatagg
                                                                     160440
atgaaataga agaaagagaa ttttaggtgg tatattatgg tgaatttact caaagaatta
                                                                     160500
gaacaagaac agtgtaggaa tgatcttccc gagtttcatg ttggcgatac aattcggtta
                                                                     160560
```

gctacaaaga	tttcagaagg	cggtaaagaa	cgagttcagg	tatttcaagg	tactgtgatg	160620
	gcggcggctc					160680
	agagtttctt					160740
	ttgctcgagc					160800
aaagttaaag	agtttgtagg	acctagatct	tcaaagaaat	agtctgtagc	aagacttcat	160860
attotcttat	tttgattttt	ataatctata	gtagcttatg	aatacttcta	tttctgaaat	160920
	ctttctatga					160980
	atagatgaag					161040
ctgtatttta	cctaagggaa	aggtatttcc	tggagtaaat	gatagtaaga	agctatctcc	161100
taaacaacga	gcccaagttc	gggatgcttt	gatgcaagat	cctgaggtct	gttttggtat	161160
	tctgtagaga					161220
						161280
	gcaatatctt					
ttatttaccc	catgacattc	cttgtaagaa	aatcattcaa	ggagatgcta	aatctgcatc	161340
catagcggcg	gcttctattt	tagcaaaaga	acatcgtgat	gatttgatgt	tacaactaca	161400
	cctgaatatg					161460
						161520
	cgacgttatg					
gcaaatgtgt	gctattgtat	gaataagatc	ctagttgact	CLCCLLLLC	tccagatcac	161580
cagaagtgct	gtcctaagct	ttttacaatt	agtgctcctg	ctggagttgg	aaagacaaca	161640
	tgttagagca					161700
						161760
	ctcgagaggg					
gaatttcaaa	gacttttgga	tegteagget	ctcttagaat	gggtgttctt	atteggagag	161820
tgttacggaa	caagtatgtt	agagattgaa	agaatttgga	gcctagggaa	gcacgctgtt	161880
gctgttattg	atatccaagg	agcettgttt	attcgctctc	ggatgcctag	totatctatt	161940
	caccttcaca					162000
	aaagaaaaga					162060
cagtttgatt	atgtcattat	taacgacgac	ttaaatcaag	cgtacagggt	tttaaaaagc	162120
atttttatag	ctgaagaaca	taggaacata	ttatgattaa	aaaagatcgt	ttcactaatq	162180
	taagcttttc					162240
	aattgccaaa					162300
tcttgttaga	tagagaaggg	atacagcctg	agtttactga	agagattgta	gtaactgcta	162360
gccctactgt	ggaaagaaag	agatcagaac	atacaaattc	tagaaaaaaa	gatccctcag	162420
	gagtgatgta					162480
						162540
	ggtccgctac					
gtatgcaaga	ttccgtagat	tgttaggaga	cgatgtcctt	tatatttgtg	gttccgatga	162600
atttggcata	gcgatcacct	taaatgcgga	tcgtgagggg	ttggggtatc	aagagtacgt	162660
	cataagttac					162720
						162780
	acgacgaacc					
	ggattgattg					162840
acgttttctt	gcggatcgtt	atgtagaagg	gacgtgtcct	cggtgcggtt	ttgatcatgc	162900
	gagtgtcaga					162960
	atttctgggg					163020
						163080
	atgaaagacg					
tgtccgtaaa	tttgttgttg	attacataga	acatgtcagg	tctcgagcca	ttactcgaga	163140
tttatcttgg	gggattcctg	ttccagactt	tcctggaaag	gtgttttatg	tatggtttga	163200
					gaaaccctga	163260
						163320
					taggtaaaga	
taatcttcct	ttccattctg	tagttttccc	agctatggaa	ttgggtcaga	aacttgacta	163380
taaaaaagtt	gatgccctcg	tagtttcaga	gttttatctt	ttagaaggac	ggcaattcag	163440
					ccttagacaa	163500
						163560
					ttactttcct	
					ttataaaccg	163620
agttcttgct	tttgcagaaa	agaatcacta	tgacaagctt	tcttatcatt	ctgtggtttt	163680
					atgctgagaa	163740
					tggcagcttt	163800
					ggactcgtga	163860
					ctttaatttc	163920
ttatcctatt	attecegaaa	gcgctgtagc	tatttgggag	atgatctcac	caaaatcttt	163980
					aaattcttga	164040
						164100
					ctgtagagta	
					gatctgcata	164160
atttttctta	gtatcgagct	ctttaagaac	ttctgctagt	cctgtacatc	ggtgttgcac	164220
					atcaccaatt	164280
					aagtgcgagg	164340
						164400
caugaatago	_[aatgataatg	caygggcttt	cactteectg	glactialgt	actgaggtag	10-4-4-00

```
cataggetaa gaetagateg teaagetetg agaaagaata geegaeatge ttteetteea
 tacggacaac aacagcttta tcttcgaagt tgattgtaga gacatagcct atatcgccgt
                                                                       164460
 taaagacttc tttattatag ttgttgcgga tttgcattac cttatcgcca acggcatagg
                                                                       164520
 attgaaatet aeegtgaaga tttgettttt tagggtttaa tgeatgtttg agtgetttat
                                                                       164580
 ttagattata gattcctagg gttccttttt tcatgggagc tagtacttgg atatcttgag
                                                                       164640
 gatagatatg gtatttttgt gggacgaatt ttgtcacaag atgaatgata tgattgagag
                                                                       164700
 cotottottg atcatoottt tggaaaaata agaaatcacg acgccctgtt totgaatata
                                                                       164760
 atatggggag ttccccttca tttaccctat gggcattcgt aacgattccc gaatcatgaa
                                                                       164820
 cttggcggaa gatcttattt aatctgatga ctgtcatttt attcgaagta atcaagtctt
                                                                       164880
 taaggatatt teetgggeee aegetgggta getggtgaat gteteeaata aagacaagag
                                                                       164940
 ttgtgtagtc aggaagtgct ttcaggaagt ggtgcagcaa gtgcgtgtcc atcattccgg
                                                                       165000
                                                                       165060
 attcgtcaac aatgatcaga tcacagtcta taggattgtc atggttcttg cggaaagatt
 tcgttttaaa atcatactgt agcagagcat gaatggtgac ggagtgtttt tgtgtaattt
                                                                       165120
 cggtcatccg tttagcggct tttcctgtag gagctgcgag gatgatttta tgagtcacct
                                                                      165180
                                                                      165240
 gttcaaaaat tttcagtatt gcttgggtaa tggtactttt tccagttcca gggcccccag
 taatgatgag aagtttttca gaaaaacagg ctttaattgc ttctcgttgt tgttctgcga
                                                                      165300
                                                                      165360
 gatetataet tagtttteet etacceaage aattgetttt teteegteta tagaaeggat
 totootogaa gaaaataaaa tgogottgag atcagaaaca atagttttot otgogagatg
                                                                      165420
gagataacgt gtccagacat ggagtgtccc agaaatgtct tgaatatgta aaagttacgc
                                                                      165480
ttttgcatat tgaggatttg cgtatcgatt tcttcgagag taataggagt atcaaagaca
                                                                      165540
                                                                      165600
tettgattta atagtttgge gacgacatet atcaggaget etateggata geaagtatga
                                                                      165660
cettettett gaagttette taaggagtge tggataccag cacataggeg acttteagaa
                                                                      165720
tttctgggga cgcctagttt catagctatg aaatcagcag ttttgaatcc gatgccctcc
                                                                      165780
atttctctgg ctagaaggaa gggatcttcg caaatttttt ctatggattt ctcttggtat
tttttaaaaa ttctcactcc ataatgaatc gggatattgt attcttggag aaagagaaga
                                                                      165840
gttttcctta acattttttg ctcgcagagt tgtttgcaaa tagagacaca tcgtgtttcg
                                                                      165900
ctaattccag aaacetcact taagegttet ggagtgatat egaggacata acatgtttte
                                                                      165960
                                                                      166020
tottgaaatt totogatgat ottttotgog attttagggo ogattoottt gatgagtttt
gaggtgaggt aatggaatac gccacgatat tcataaagaa gaggagagtc gtaactatgg
                                                                      166080
atttggaaat acttagtatt tgaaggggaa tggctccaga caccatagat ttggatcggg
                                                                      166140
gatcctagtt ccaaaggttg gggaagtttg cctttaatta ggataggagt cgttttattg
                                                                      166200
ggtattttga tataagcagt aatgtcccca gagtctttgt tttcaacaag tatttgctct
                                                                      166260
                                                                      166320
aagtatccgc agattttctc catagaattc taaaatcttg ttttcctgga agatgaagta
                                                                      166380
gcttaaggaa tetttataaa aagettetaa aaagtatgga ttataaaett tttgagataa
                                                                      166440
aaacgagaca tcccaaggct tttaattttg ggataaactt atcaaagaat tattttatat
                                                                      166500
agtaattatt teetegtata ttgttttttg ceataggaca caaaatetat eetaeegaag
                                                                      166560
aacctttgtt attacaacaa tttttataac aatagattga ttaggaaaga tcgatgttcc
                                                                      166620
cttgtgcaat aggttcatgt tttatcagaa cacgagtttc ttttttaatt ctttttctt
                                                                      166680
ttgctattgc attcagetcc atgaggagag cttgagtacg attttataca aactgggata
                                                                      166740
gggattgcct ctatccgtgt tggacaaata cctaagaaga ttttgattcc ggctttccga
                                                                      166800
ctatatagag aagaaattcc taaggcactt taattaaaag gtttattgcc atattcttgc
                                                                      166860
cttgaaaatt tttgattata gattttggta ttgaacaatg actagtgcag taaaaacctc
                                                                      166920
atcactcatc caagtgactc aaccttaaat cagaagtaaa caacgtacag ttgcaattac
                                                                      166980
gctccttgtg cttggcattc ttttgattgc ttctgggatt atttttctag ctgtcgctat
teetggattg agtteageag ttgeettagg attgggetgt ggtatgaetg etttaggaae
                                                                      167040
                                                                      167100
tgttttgttg attacaggac ttgtcttgct gatcaggagt gagaagctcg ctctagaaca
                                                                      167160
agtagaaata aagcaagcta ggaccagggt gaataatgag ttagatcaac tcagtcagta
                                                                      167220
tgttttctac acagaaaatg ttttagataa tttgaagcgt tggtcgtatc gagatttagg
                                                                      167280
ttttgtgaga caggcgcaag aggaggttac aaatttagag caagacattg aagaaatttt
                                                                      167340
cttgacgttg cgagatatta gaaatgctct tgataacgaa gagtttttta tgactcatgc
                                                                      167400
gaaacagtgt ttagcccaag tcggagaaag cttatttcag gatgctagta tagatgagtt
                                                                      167460
tattaatttg geteatetat eegaaataeg teageatttg gatateaatg ateegagatg
                                                                      167520
gtctatgatt acaaagaaag ttaaaggcac tgtggttcgg tttatctatg tctctacaat
                                                                      167580
gtataaacaa ataaaatcta attttgaaaa aagtgacttc ggacaactta ggaagatgct
                                                                      167640
actgaacaat tacaaaacaa tagaagaggt cttgtatcag agttttcaaa ggggctacaa
                                                                      167700
tagageeget ttgttgagtg aaaagacaag aattatteat acgagttete ttttgcattg
                                                                      167760
ggaaaaggac gaagataagc atcttaatat taagaacgag tgtgcaagtc gtcttgagaa
                                                                      167820
tttcaagaag tttagaacac tatttcttgg attatcagag gaagacgtta ttgactttac
                                                                      167880
tggagcgtct ggttgggatt gttccaaact gcctcggaaa gaggtcccgc ttgatggtgg
                                                                      167940
caagaagaaa ctgaggttta aaagaacctt tgcagatgaa caagtcggag attgggatcg
                                                                      168000
cactacgtct cttgagcata tgacacctca agaggaagat cctttagaca ggttaatgga
tcaggttgaa caagaggcta cttcagtctt aaaagatcag gatcgttatt ggaaagagat
                                                                      168060
cgagacaagc gaagcaaagt ttaggtccct gccacgggaa gatgattttg aaaagcagtc
                                                                      168120
acagattgat agttatattc gggatttgga cgaccattta tcggtttggg cgaatcagtt
                                                                      168180
                                                                      168240
```

àtctgctgca gaagatgctt tgatagaggt tacagatgtg caggaacatg gaaatagaga 168300 aatgettaag aatatacaac agggaetgga gettattgaa gatgetgtaa aagetaetet 168360 acctagagtt gactttatac aagagctttt agagaaggaa gagcttccgt tggttgctgc 168420 taggatgagt ttagagaata gttagaagat aagcagctgt gcagagatta tgtcagaagt 168480 gaagcctttg tttttaaaga atgactcttt tgatttggca actcagagat tccagaatct 168540 aattaacatg ctacaagagc aagccgagat atataacgag tatgaagaaa agaatgctag 168600 ggttcagaat gagattaagg agcaaaagga ctttgtgaaa agatgcatag aggactttga 168660 agccagagga ctgggggtgc taaaagaaga gcttgcatct ttgacgcgtg atttccatga 168720 taaagcaaaa gcagagactt ctatgctcat tgaatgtcct tgtattggtt tttattatag 168780 tattcatcag gaggaacaaa ggcaaaggca agaaaggctt caaaagatgg ctgagcgcta 168840 tagggactgt aaacaagtct tggaggctgt ccaggtggag caaaaagata tgatatcttc 168900 tagagtcgtt gtcgatgaca gctactttga agaagaaaaa gaagaacaaa aggtggataa 168960 169020 gttctagaat tttttctgtc gcctatncaa gataacactg ttgttttgtg gtatcaaatt 169080 tagacattac actagettta aagtttgage eeteeeege tttaagateg etttetgaag 169140 ctgagtctaa ggtacaaact tttgctatag gattattagt tattggtatt ctcatactat 169200 tgcatgggat tattttttt ctctggagct atttctagtt gtggtctttt agtgtctcta 169260 ggagttggtt taggacttag tgttttagga gtacttttac ttctcttagc aggtcttttg 169320 ctttttaaga tccaaagtat gcttcgagag gtgcctaagg ctcctgatct attagattta 169380 gaagatgcaa gtgaacggct tagagtaaag gctagccgtt ctttagcaag cctcccgaag 169440 aaatcagtca gctagagagc tacattcgtt ctgcagctaa tgatctaaat acaattaaga 169500 ettggccgca taaagatcaa agactcgtcg agaccgtgtc acgaaaatta gagcgtctgg 169560 cagctgctca aaactatatg atttctgaac tctgcgagat tagtgagatt cttgaggaag 169620 aggagcatca totaattttg gotcaggaat ototagaatg gataggtaag agtotatttt 169680 ctacctttct ggacatggaa tcttttttaa atttgagcca tctatctgaa gtgcgtccgt 169740 acttagetgt aaatgateet agattattag aaattaeega agaatettgg gaagtagtga 169800 gtcatttcat aaatgtaacg tetgetttta agaaagetea gattettttt aagaacaacg 169860 aacatteteg gatgaagaag aagttagaaa gtgtteaaga gttaetggaa acatttattt 169920 ataagagttt aaagagaagt tatcgagaat taggatgctt aagtgaaaag atgagaatca 169980 ttcacgacaa tcctctttc ccttgggtgc aagatcagca gaagtatgct catgctaaga 170040 atgaatttgg agagattgcg cggtgtttag aggagtttga aaagacgttc ttctqqttqq 170100 atgaggagtg tgctatttct tacatggact gttgggattt tctaaatgag tctattcaga 170160 ataagaagtc cagagtagat cgagattata tatccacgaa gaaaattgca ttaaaggata 170220 gagecegeae ttatgetaag gttettttag aagagaatee gaetacagag ggtaaaatag 170280 atttgcaaga cgctcaaaga gcctttgagc gtcaaagtca ggagttttat acactagagc 170340 atacggaaac aaaggtgaga ctagaagcac ttcaacagtg cttctcggat cttagggagg 170400 cgacgaacgt aaggcaagtt aggtttacaa attctgaaaa tgcgaatgat ttaaaggaga 170460 gtttcgagaa gatagataaa gagcgtgtgc gatatcaaaa agagcaaagg ctctattggg 170520 aaacaataga tcgcaatgag caagagctta gggaagagat tggggagtcg cttcgtttac 170580 aaaatcggag aaaagggtat agggctggat atgatgctgg gcgtttaaaa ggtttgttgc 170640 gtcagtggaa gaaaaatctc cgcgatgtgg aagcccacct tgaagatgca actatggatt 170700 ttgagcatga agtaagcaag agcgaattgt gcagtgttcg ggcgaggctc gaggttctag 170760 aagaagagct gatggatatg tctcctaaag ttgcggatat agaagagttg ttgtcctatg 170820 aagagcgttg tattcttcct attagggaaa atttagaaag ggcatacctc caatataata 170880 agtgttctga aattttatcc aaggcaaagt ttcttctttc cggaagacga gcaattgcta 170940 gtttcggaag cgaatctaag agaggtgggt gcccagttaa aacaagtaca gggaaaatgt 171000 caagagaggg cccaaaagtt cgcaatattt gaaaagcata ttcaggagca gaaaagcctt 171060 attaaagagc aagtgcggag ttttgatcta gcgggagttg ggtttttaaa gagtgagctt 171120 cttagtattg cttgtaacct ttatataaag gcggttgtta aggagtctat accagttgat 171180 gtgccttgta tgcagttata ttatagttat tacgaagata atgaagctgt agtgcgaaac 171240 cgccttttaa atatgacgga gaggtatcaa aattttaaaa ggagtttgaa ttccatacaa 171300 tttaatggtg acgttctttt acgggatccg gtctatcaac ctgaaggtca tgagaccagg 171360 ctaaaggaac gggagctaca agaaacaact ttgtcttgta agaaattaaa agtggctcaa 171420 gatcgtcttt ctgaattaga gtcaaggctg tctaggagat agtaaaaaag ttgagttctt 171480 tgcgcagtgt ttttgatgga ttattcgtta gaagacgata cttgagagtt ttccaaactt 171540 ttctgtactt ttcttccgaa gagaactagg cagaggaggc ttcctcctaa cattagaaag 171600 attectatae ettettgtag agaaggaaga etttgtgagt agagataggt aageaeaagg 171660 ccaaaaattg gttcaaagat taatatcgcc cctagcaatg ctggtgagag attcaaacta 171720 getttattee aggetattaa agettttget gaggaaaata tteecatage aetacatage 171780 aacaagaaga gcagtcgctc ggatcccggt gtatgcgaga taagattgtg tgttacgtgg 171840 gtaatteeac agagategag aataataate atagggagge agatgateaa agegetgatt 171900 ccgatgaggt agctccaggt aatctggagt taggtngggg tgtttttcga gtagcgattg 171960 attgcggatc acatagatta cccaaagact tgttgagagt atgactgcaa tgactcccaa 172020 gatagàgtag agaggagagg cggctgttgg caagttgagt gcggagaggt gtgtcagaat 172080

```
cactcctgtg atgatcacac tgctgatagc aaagagtaga gaatagggga gttctttttg
 ctttgtattg gagtggtaga gtacggcggt tggagccagg ctggcgatga ctacagtgat
                                                                       172140
 tgcggatcca acatagegga tgccaagggt gattccgaag taatacacgg ggttaatcag
                                                                       172200
 cagtgtccag aggaggettt ttetecaaat atataaagga gtttttttaa ttacggaggg
                                                                       172260
 atttttata gcgcaagcaa tcagggagaa aataccaaaa atggtataac gggtaagtac
                                                                       172320
 aatatcaaga tcgccaaacg aaccgaggaa gtttggtatg acaaagacga ttccccagta
                                                                       172380
 taggcaggca acgagcccat ggaagatgcc taggggtaca ttacgggttc tggattcttg
                                                                       172440
 atttgcgctg gggaacataa agctctctta agggtatgag caatagaatt gcctacaatt
                                                                       172500
 ttaacatggt agggattttt gttggtattg agactttaaa taatacgaat tgcttttctg
                                                                       172560
 ttcgagagga aaataagaag ataggggaag aatgttaagg aatcaggtac ttgtttactg
                                                                       172620
 tagtgagggt gtttctcctt attatttacg gcatacgata cgttttctca agtactatag
                                                                       172680
 cactcaagaa ggtgctttcg atattcttag ggtcnacggg aattttttga ttaagaatcc
                                                                       172740
 tttttgggaa gaaacgacgc gcttattggt attcccaggg ggtgcggacc gccctatca
                                                                      172800
 togtgtactt catggtttag gcactgcccg tattttccaa tatgtttctg agggagggaa
                                                                      172860
 ttttctaggg atttgtgctg gggcatattt tggttctaag atgatttatt tttatgagcc
                                                                      172920
 tgagggagcg ccgttgcaag gggctcgaga tctagggttt ttcccgggga ctgccaaagg
                                                                      172980
 tectgettat agggggaatt titettatgt gagteettet ggtgtaaggg titeacetea
                                                                      173040
 gttattttca gattttggct tggggtatgc gatgtttaat ggggggtgtt ttttcgaggg
                                                                      173100
ctcggaagga tatcctgggg tgaatatcga atctcggtat gacgatcttc cagggaagcc
                                                                      173160
tgcgagcata gtgtctagga ttgtcagtaa gggcttagcg gttctttcag gacctcatat
                                                                      173220
agagtatett ceteattact gregtatggt taaggagaac greeagaaaa caegrgaatt
                                                                      173280
                                                                      173340
cctccaaagg gagcgtacaa ctttggaccg ctattgtcag aatcttgtac agcgtttgcg
tcagcctgca ttttcgaaag cggactgctg aagatctaaa ttaggcaatc gaaatcatca
                                                                      173400
gcgtgtattt ttgtcgtatc gaactcggtg ataagctgat ataggattgg gctgcaaaga
                                                                      173460
actatggagt gcgttaggac atttcggatg ttattggagg cataagacat ctcttcatag
                                                                      173520
ccgtggagta gtccaaacga ttgaatttgt ggagctgtnt ggctgntntt atatacaaag
                                                                      173580
cgattgaaat agtetetagg ttetatagtg tacteatett cattatagte taattgeteg
                                                                      173640
                                                                      173700
aatacacaca gaaaagcgag tagttccatt tgtcttgcta tgggatttga gcttcctgtg
ttaaggctat ctatgagtag tatttgattt ctttctaatg ctgttgaaaa taggttatgg
                                                                      173760
tagtggataa agaatttttt gaaaattaga tagagttggt tcgagatagg atcccattca
                                                                      173820
                                                                      173880
gatettagaa tgteaggatt atgtactaca gggaagtagt aggtgattte atttgttgtg
gtttcgatga ggttattttc atactgcgtt ttgttctgca agtcggtcaa tgaaacttga
                                                                      173940
gaggetatee etaagttgtt tacatgtttt tettgtaatt tttgataggt tttttgtaaa
                                                                      174000
                                                                      174060
ggttcggagg tgacaaagat tctcggatcc atatggatat gagaaaggat atactgttca
                                                                      174120
tottgttota atattttoca attggogaga goacttttaa ttaggaaato tggatottta
agaaagattt ttttccattc ttcgaaggat ggaaaaaaga gctcattttt taggtttatg
                                                                      174180
                                                                      174240
gatgttggat ctaggagtag tgtttcggag gattgtattt tatttttgag aggatttagg
                                                                      174300
agccaggggt ctaaagaagg tgtttcttta ggaaaaatag attttggttt ttgttcgtcc
                                                                      174360
tittgaacac ttttcgagca ctgtgttcca atgagcaggg agattcctgt acttaggacg
                                                                      174420
attatactga ttagggacaa tgctattatc aaaagagtat ttgggagaag tccggagagg
                                                                      174480
gctatgagta tgcatgctgc aatccccaag aatagggaaa gtatggcgag agaaagtttc
                                                                      174540.
gttatagcag cgaatttgga ttctggcagc agttgagcgg gttttttatt ttcgtgtata
attgaagaac acttgaccat agaagactat caaagaaaat gcaaataata aattgaaaaa
                                                                      174600
                                                                      174660
tcgttgaaag aaggagtcga agagaaaaaa tactccggag gatgggttcg aaccaacgac
                                                                    174720
caatggatta acagtecaet getetacege tgagetaete eggaacaget tttactecet
                                                                      174780
acatattcta tgaccaaagg gtaaaaagtc aatgattttc gtctctgaaa aaagaaagat
                                                                      174840
tttctttaag tcttgcaatt ttccttatat ttttcttcac tagtgcgtat gttttccat
                                                                      174900
cgatatgctt tctggagttg tttatggaga atgctatgtc atcatcgttt gtgtataatg
                                                                      174960
ggccttcgtg gattttaaaa acgtcagtag ctcaggaggt atttaaaaag cacggtaagg
                                                                      175020
ggattcaggt tctcttaagt acttcagtga tgctttttat aggtcttgga gtctgtgcct
                                                                      175080
ttatatntcc tcaatnnctg attgtntttg ttttgactat agatttgctt atgctcgcta
                                                                      175140
taagettggt attgtttete ttaaaagtte tgtaegetee tteaatggta gategtttgt
                                                                      175200
ggtgttctga aaaaggatat gctcttcatc aacatgagaa cgggcctttt ttggatgtga
                                                                      175260
agegtgtaca gcaaattett etaagateae eetatattaa agtteggget ttatggeegt
                                                                      175320
ctggagatat ccctgaggat ccttcacaag ctgcggttct attactttct ccttggactt
tettttcate egtggatgta gaggetttat tacegagtee teaagaaaag gagggtaagt
                                                                      175380
                                                                      175440
atatagatcc tgtgctgcct aagttgtcta ggatagagag agtctcactt ttagtgtttt
                                                                      175500
tgagtgcatt tactttggat gacttaaacg aacagggagt caatcetttg atgaataatg
                                                                      175560
aggaattttt atttttata aataagaaag cgcgtgacat gggattcagg atttaaaaca
                                                                      175620
cgagattatg tettegttag agaaaacagg agtgeeatta gacccetcaa tgagttttea
                                                                      175680
agtttcacaa gcgatgtttt ctgtatatcg ctacttgaga caaagggatt taacgacttc
                                                                      175740
agaattaaga tgttttcacc tcttaagttg ttttaaaggg gatgtggttc attgtttagc
                                                                      175800
ttcatttgaa aaccctaaag atttagcaga ttctgacttt ttagaagctt gtaagaacgt
                                                                      175860
ggaatggggt-gagtttattt cggcatgtga gaaggctctt ttaaagaatc cgcaaggaat
                                                                      175920
```

ttccattaag gatctaaaac aatttttagt gaggtaatct atgatcgagt ttgcttttgt 175980 tecteatace teegtgacag eggateggat tgaggatege atggeetgte geatgaacaa 176040 gttgtctact ttagcaatta caagtctttg tgtattgatc agttcagttt gtattatgat 176100 tgggatttta tgcatttctg gaacggttgg gacctatgca tttgttgtag gaattatttt 176160 ttctgtgctt gctttggtag catgtgtttt ctttctttat ttctttatt tttcttctga 176220 ggaatttaag tgtgcttctt cgcaggagtt tcgttttttg cctataccag ctgtggtttc 176280 tgcattgcgt tcctatgaat acatttctca ggacgctatc aatgacgtta taaaagatac 176340 gatgcagttg tetaccettt ettetettt agatecegaa getttttet tagaatttee 176400 ttattttaac tctttgatag tgaatcattc gatgaaggaa gcggatcgtt tgtctcgaga 176460. ggcttttttg attttattag gtgagattac ttggaaggat tgtgaaacaa aaattttgcc 176520 atggttgaaa gatcctaata tcactcctga tgatttctgg aagctattaa aagaccattt 176580 cgatttaaag gactttaaga agaggatcgc cacttggata cggaaggcct atccagaaat 176640 tagattaccg aagaagcatt gtttagataa gtctatctat aaggggtgtt gtaagttttt 176700 attacttgct gagaatgatg tgcaatatca gaggttatta cataaggtct gttatttctc 176760 tggggagttt cctgccatgg ttttaggttt gggaagtgaa gtgcctatgg tgttaggact 176820 ccctaaggtt cccaaggate ttacctggga gatgtttatg gaaaatatgc ctgttcttct 176880 gcaaagcaaa agagaggggc attggaaaat ctccttggaa gacgtagcct ctctttaatg 176940 aaagaagagt cctcggatga agcctatgat ttcttctgta ggtgttccag gggtattgat 177000 atcgttaaga cggtcttgga attgtggata cgatgagtag aagtgtttat gagcttgttg 177060 ggataggggt ttaataatat ctccagggag gttcaggtgg tagaggcttt cttctagagc 177120 taggtagagc aaggaaggga gagcctctga gagttttggt aattctttag ctgagctagt 177180 atggctatgg aattccaagg atggcacaga aagatgggga atgtctttat ggttagctct 177240 gagtccgtac aaccgtgtgt ttagaaatag gcatcttcgg atgagcacgg gagcacggtc 177300 tatccataag tttgaggggg tttctttttg tggatggaag tttttccata ctaaagacca 177360 gtttgttttt gtgccgtgac tgtcgtaggg gaatatggtg aagtttgccc catggataat 177420 gagctcggag atttccaact gtttcgttag tagcatagat atggaagaaa atcgtacatc 177480 tgcgtactcg atttcggcgg cgtaaggaaa gcgttcagaa gctagagggt tatgaatgca 177540 gatatgacgg attttaattc cagaagttct tatggagact cttcctacag tgacttgggt 177600 gtggaggcgg ttagatagec attgeteaac gataetttet ttgegeatee agaaatatee 177660 aacgatgcag caccctataa gaaatagatt ttttagcagt ttaaacatat aggcagagga 177720 gttttatatc ttaataatta agatagatta agaaatgaat attcccaaag aaaaaggtct 177780 cttttcttta gttagaaaag agacctcatg gaaaattgtt aatactagct taagagacta 177840 gtagtccatt cctgcgcttg gcatcgctgg agctgaagaa gatttctctt ctgggatatc 177900 agcgattaag gcttctgttg tgaggagtaa tcctgcgata gaagctgcgc tttctagagc 177960 tgagcgagtc actttagttg gatctaaaat tcctgcgtca atcatatctg tataagcgtc 178020 acgtaaagca tcatagcctt catttgcaga tcttgctaga acttgctgac aaatgatagc 178080 gccttcttta cctgcgttac ttgcaatttg ctttaatgga gctgttaatg cttttagaat 178140 aatacgagta ccaatagett egtettegtt tgetageata ggaaggaaag ettetagtgt 178200 agggatacag cgaactaagg cagttccacc accagggagg attccttctt cgacagctgc 178260 aatggttgcg tgttgtgcat catctactct gtcttttttc tctttcatct ctatttcggt 178320 agcageteet aegeggatta eggegaeace aeeggagagt ttagetaaae getettggag 178380 tttttctttg tcgtaatctg aagtgctatc ttcgatttgt tttttaatat tgtcgcatcg 178440 agcttggata tcaggtttgt ttcctaagcc ttcgacgatt gtggtatctt ctttagttac 178500 gataactttc ttagcttttc ctaacattgc tagagttgta ttctctagtt tcatgccaag 178560 ttcttcgcta actagttggc caccagtaag gatagcgatg tcttctaaca tagctttct 178620 tetgteaceg aaaccaggag ettteactge acagaetetg aatcetgeac ggagtetatt 178680 gactactaga gttgctaaag cttctccttc aatttcttct gcaatgatta aaagagggcg 178740 tccagattct gctacttgtt gtaaaactgg aaggaagtct ttaattccag agattttttt 178800 atcgtagatt agaatcagag cgtcttctaa aacgcattct tgagtttctg gatttgtgga 178860 gaagtagctg gagaggtatc cacggttgaa gttcattcct tctacaacgt cgagaacagt 178920 ttcgaagcct ttagcttctt caacagtaat ggatccgttt ttaccaactt tttccatagc 178980 ttctgcaata agatttccga tttcggaatc attatttgct gagatagtag ctacttgagc 179040 gatttetttg tgatgttgta caggtttact aatttttttg agtteateaa caacaaettt 179100 tacggetttg tegatacete tttttaggte cataggattg geaceggeag tgacatttet 179160 tagacetteg ctatagattg cttetgeaag aacagttget gttgtagtte egtegeetge 179220 tttgtcagca gttttgctgg cgacttettt taccatetga gegeecatgt tttcatgttt 179280 gtottogago togatttott tagotacagt aacaccatot ttagtoactt ggggagagoo 179340 aaagctctta tctataacta cgtgacgtcc tttaggacct agagtaactt ttactgcttc 179400 tgcaagagtt tttacccctt tatgtatttt ttntctggct tcttcattat aittaatatt 179460 tttegetgee ategttgtte teettaaett tetataatet geaaactagt attttatttt 179520 aggacggcca tgatttcact ggactgtaga atgacatact cttcgtcatc gattgtgatt 179580 tottgacctg catacttatc cattaaaatg atatcgccaa cttgaacttc gaaaggaagt 179640 agagtaccgt catcagttcg tttgcctgtg cctaaaacaa ggacctcagc acgatcttgc 179700 tteetttttg etgtateggg taagatgatt eetecaegag eagtggette ttettettee 179760

Ctttttacc	a agattetat	C	. .			
atttatat	ic teettatet	t ttaggttag	t ttaattcgg	na gggtcgttg	c ttgatcagac	179820
acaaagcgt	t ttttttat	a cracyttee	a agagacttt	g ctatttctg	c ttgatcagac c aatcacgata	179880
Caatottot	a seecceda	9 Caataattt	t agcactcaa	t aattttaagi	c aatcacgata c gctaaaaact	179940
ttatctaat	a dadacadada	a agagagtag	g totatott	t togtaatgaa	gctaaaaact tgcaaaggct	180000
aagtgagag	c ttccacttt	t garage	c aatcccgat	t tctttaatat	tgcaaaggct attgagtggg	180060
Otaacantt	t tttgaggaa	caaaaattt	t aaataaagt	t cgagageee	tggttcttgt	180120
tagaaatta	t agtagaagt	a ggagagggc	a gctatgata	c ctgtcgcata	ttgataaaca	180180
						180240
tcactaaca	a asattast	a ttetttttg	t aaattaccg	a atgcagatag t aagttgcgga	gaggaactct	180300
aaggtttga	g gagtteett	g ttctgctgc	a gaatgaatt	t aagttgegga t egtattegaa	ggcagcgaaa	180360
ttatattat	t toatt	cgcaaatat	g gtgtctaga	t cgtattcgaa g ttttagtgat	aattacgatt	180420
attanaga	a tttan	tgatttgct	g agagettee	g tittagigat a igaggagcat	ctcattgaar	180480
Ctactorac	t cccagcaa	aaacagagg	g tattgggca	a tgaggagcat t catgataggg	ctatacttct	180540
						180600
						180660
						180720
						180780
						180840
						180900
						180960
						181020
						181080
						181140
						181200
						181260
						181320
tcttcagaaa	gagcaattan	agctggttgg	atcongo	tttcctgaga	agcgactttt	181380
						181440
tggatgaggt	gagcgtatat	gtagagttgg	totaattt	gatttgtaat gttctacaga	atcttgatcg	181500
gataaaagtt	cgagtaaaga	ttcaaaatta	tocaacteto	gttctacaga	gaatttttt	181560
ggccatatgc	gagaacgatc	ttttccacac	ccyattegat	aatgagaggg	agagaattcg	181620
tctctattto	catacataaa	arttetata	Clacaaagat	cgaaatcttt	tttccactcc	181680
						181740
tcaggatgaa	tgagaaaget	Cattataa	yccatgaggg	aaggaactcc	tttttaagag	181800
						181860
						181920
						181980
						182040
						182100
		ayactttaga	aaaaccacca	3 3 CC CC CC CC CC CC CC CC CC CC CC CC		182160
						182220
						182280
						182340
						182400
						182460
						182520
						182580
						182640
	-3	acacadono	CCATTATTAT	3 3 3 8 8 8 6 A A A A		182700
						182760
		Lauaurcere	CT Gt agt tt			182820
-	-3~~~-111100	aaaaaaa oo	MMMTTAtast	T ~~~~~~~~~~		182880
						182940
						183000
						183060
						183120
						183180
						183240
						183300
						183360
443	3 C C C C	acuucuucu	OFCCTATAGG	Cata		183420
						183480
gtcctacaag	ggctgcagca	ggtaggcctc	Ctcctaacar	ttttccatag a	ttgagcggt	183540
	-	· ·	caagac		xcygtaatat	183600

Cgggggagag attgaaaata tettgagete ettggaatge caetegaaat eetgtgaega 183660 cttcatccat aatagaaaga cttccgaagc gtttgcagag ttctatgata tcgtctagaa 183720 attcggcttt gggaaggacg atacccatat ttgcacatat aggttcaaag ataattcctg 183780 ctacttgagg tectagaget tecatgaeat ggtgtaggat ttggetattg ttataaggea 183840 gggatatcaa taaagaatgt ggagagggcg tgtgtatcaa tgaagttagg ttgtctatag 183900 tttcttcagt tgttgagatg cctccaagaa gagtatctgc atgaccgtga tatccccta 183960 taaatttgat aataatagag cggtttgtga ttcctcgagc gagacgtact gcagtcattg 184020 ttgcttccgt tcccgaggat acaaaacgga ttttatgttc tttgagtttg agcgaggaga 184080 ggagcattgt tgcaaataga atttcctctt cagaggttaa gccataggag gttcctttta 184140 gagctgtttt ttggatagcc ttgacaattt tgggatgact gtggccgtga attaaagctc 184200 cccagcctcc acaaaaatca ataaactctc gtccgtgagt atctaggaaa atatctcctt 184260 gtgctgagct cactataggg ggtgtgactc ctacagaacg gcaggcccga acgggagagt 184320 teacgectee tgggaagact tggcatgeet etteaaaagt aacggtatge ttttgatttg 184380 agcagttcaa catggaattt cttttagtga gtttccacat attttggaga agctgatctt 184440 taatggctag aaaaagccgt gagttagttt agcaatagat tgtcagggac tgtagaaagc 184500 gaggcatatt ttcctccaag atctttaaga actaaagccc agagatcttc tggttctgag 184560 taaaagacgt agtctttgtt ccctggagct agaaaccagt cattgcttag gaattctttt 184620 tcaagttgtc ctgcttgcca tccgctatag ccaaaacata ggttgatttc tggcccagat 184680 tcgctagagg cgatttcttg gaggaaggga agatctcctc ctaagtagac tgatggacaa 184740 atttctaacg tttgttcagg aatttcggag catgaatgaa gtaacatcat ttggtttgct 184800 tgtagggggc ctcccntaca aaagcggata ttatgattgg agactttttc aaaggtaaag 184860 atgtcatctg agatttcaaa tcccagggtt ttatttaaga tgagaccgaa agaaccattg 184920 aggctatgtt cacaaagtag gatgacacta cgagcaaaga ctccttggtt tatattcagg 184980 agaagcgact aacaaagatc ctttttctag gcgtgcataa ggaattttca taatatctct 185040 gagtttattc ttcgtagggg actacagcat caaatactga tttaacacac aagatgggat 185100 tttatgagtt aaggegagag ggatetateg etaggaeggg categacate aacgaegtat 185160 agaaattcgc gatctttttg ttctaaaaag agtcttgtgt agaaaacgtt atctttatag 185220 tcattaatta ctacacgtaa cacttggata tcgaaacctg aaaagacaaa gttcagtaga 185280 tcatgagcaa aaggtctttg aggagagtgt ccttcagtat cagcaccttg aaatgcttgc 185340 cccatggaaa cgtgcccata tatagcgaac tttttttctt cagtacctaa gatcatgcct 185400 gcataattac aaaactgac aagtttgtaa aaattgagaa gtactaaggg ggtttcttct 185460 aggagttett tttetaaget catacagaat attttttget gattagaeet tggetattge 185520 tagaccacac ttcgactttc tctataacaa acccgacttc aataacacca tgaatttgta 185580 ttaactttaa taaatccttt tcaggatttg ggtaggagtt gggggaaaaa atatcgtaaa 185640 tgtagttgct gctgtctgta ataaataggt caccagtatc ttgtaggcgc cattctcctt 185700 catatccaag atggcggatt tcttcaataa ttgctgagcg accgaatcga ctgatttcta 185760 aaggaacacg aaattttcct aggactggaa ccagtttact ttcatcaaca aggataatgc 185820 tgcgttttgc tgctcttaaa agaatctttt ctctgaaaaa ggtccgccac cacctttgat 185880 catccgcaat tgagggtcga cttcatcagc accgtctacc gtaagatcta gggaagagaa 185940 tttttctggg tttaagaggg ggatggcaag ctgctttgct agagcataag aattttgaga 186000 agaagctata gcatgaactg ctaaggactc tgtttgaatt ctatgggcga gtgcaaagat 186060 aaattcctta gctgtagatc cactgcctaa gccaagaatc atgcctgaag ttacttgtgt 186120 agcagcctca tgggccaggc atttttctc atgaagatga agatcttttt ccacagcgct 186180 actactatgt tacaaaatat teccacaget tatgeaaagg gattetteea atactataca 186240 aaaatcgaaa ccttttggac gagtctttag ggtaatcgat tttcagatct ttaaatgaaa 186300 gegtattgat cetatttet getataggtt ttagtgggta ggaacggate ttttgtattg 186360 cattgtcatg ggatactcta gaaatctcga agtgcgaaca aaaattaaga atggaattct 186420 tagtagacaa tagttggagt attttgaagt gaaatttttc caaagtcccc ttcgatttag 186480 aataggagtg actttaaaat taagatagaa aacgaaccta gataacgtac ataaagggaa 186540 gagetggttg gatetataga ggtteeaace agetetggtt teattattte caaacttett 186600 186660 cggaaatttc ttttactaga gcaactttag cccattgctc ttcttctgtt aatttatttc ctatttcaca tgaagcaaaa ccacactgtg gacttagaga gagtctttcc aagggcaggt 186720 agtetgetge ttgatgtatg egageaatga ceteateett atttteaagt gtaggggttt 186780 186840 tgctggtaac aagacctaag cagacagttt tttctccaga aatgaaggtg agaggagaga agtetecaga aegeteatga teaaaeteta aatagtagee gtetaeattt gtttgttega 186900 ataggggctt tgcaataaag tcataactac cactagcaaa gaattttgag tggtagttcc 186960 cacggcatac atgtaaatta acgactagat catcgggacg atctgcaatt acaagattat 187020 taatcagaag atattgttga atcagatctt gaagaccttt ttcatcgata ccataccacg 187080 aacagactcg agggtctact aaacctcccc gagtacagtc atctaattgg agatagcggc 187140 agccagcatc ataaagatcg cgaatgactt tacgataacc tgcaacaata tcttcaatta 187200 gctcctgatt tgtaggatag aatttacgtg tgacctctat attattaggg aagatcatct 187260 187320 gagettttac aaatttaaag tgatecacaa atgggtggtg agatacagag atettgtetg 187380 187440 teagatàggt ateategate atagegegtt etecateaaa gaaaaeteet tetgtagete

```
tgtggtgacc tacgccatga aaaccccaca tgaagtcgta atgccacgta gctctgcgga
                                                                      187500
attetecate agtaataaaa gaaagaeetg etgetttttg ttttttgate aaatettgga
                                                                     187560
tagcgatate etcaatttge atgagttgat etagagaaat agageettet ttaaggettt
                                                                     187620
ctctagtttt ttttaaatgc tcaggacgca aaaaactacc gacaacatca aaatgagatt
                                                                     187680
tcagaggtct ttttagtgaa gtattcatga ttgtcctcct tcagactagt gaaatggaaa
                                                                     187740
gagctaagta gaaaacgtc gaattttcta taggattaaa aataagaata aacaagttat
                                                                     187800
aggegtttet gaaagaeaga ategttaett aataetttee acaatgttet ageatttaag
                                                                     187860
aacataggat atattttgtc caactataac tagatcattt aaaaatattt gtaatttagt
                                                                     187920
tggaatatat aaaatcatta gcattaagca aactgttttt cttttcttag tttttagatg
                                                                     187980
cgaataattt gataatttct caggtaatta aaaatctttt aattgttttt tctgtttatg
                                                                     188040
tttgacaagc acaaggtgga tgccactcta tagtcacgat ctttaagtcc ttgatttgtg
                                                                     188100
aagaaattgg teettaggag ttgeegettt etteagacag tteaagagat caetteetaa
                                                                     188160
tgtattttta gaaaggggaa agagatcctc ttaggttaga cgtttaggtt tggtagtatt
                                                                     188220
tcgatagggt ttgataaagt tgcctcttct acattctcag aggaaagttt atagattttt
                                                                     188280
tattattcct atgtaataag aaaaaccttt ttaaaaagtg cttggggtga attttatgga
                                                                     188340
gaaattttcc gatgctgtct ctgaagcttt agagaaggct ttcgaacttg ctaaatcttc
                                                                     188400
gaaacatacc tatgtcacag aaaatcacct attactggct ttattagaaa atacagagtc
                                                                     188460
tctcttttat ttggtaatta aggacattca tgggaaccct ggtttgctca atacggcagt
                                                                     188520
taaagatgcg ctctcacgag agccgactgt agttgaagga gaggtggatc ctaaaccttc
                                                                     188580
tccgggttta caaacccttc ttagggatgc caaacaagag gcaaagacat taggagatga
                                                                     188640
atacatttct ggagatcatc tgctgcttgc tttttggagt tcaaacaaag agccttttaa
                                                                     188700
ttcttggaag caaacaacaa aagttagttt taaagatctt aagaatctga ttactaaaat
                                                                     188760
acgacgagga aatcgtatgg attcgccaag cgctgaaagt aattttcagg gtttagaaaa
                                                                     188820
gtattgtaaa aatttaacag cattagctcg tgaaggtaaa ctggatcctg tgatcggtag
                                                                     188880
agatgaagaa attegtagaa eeateeaagt gettteeegt agaactaaaa ataaccetat
                                                                     188940
gcttattggt gagccgggtg tagggaaaac tgctatagca gaaggattag ctcttaggct
                                                                     189000
tatccagggt gatgttcctg aatctctcaa aggtaaacag ctttatgtct tagatatggg
                                                                     189060
agetttgatt geaggageta agtategagg tgagtttgaa gaaagaetaa agagtgtttt
                                                                     189120
aaaagatgta gaatctggag atggcgagca cattatcttt attgatgagg tgcatactct
                                                                     189180
tgttggagca ggagctactg atggagctat ggatgctgcg aatcttttaa agcctgcatt
                                                                     189240
agcaagaggg acgctacact gtattggcgc gacgactttg aatgagtatc agaagtatat
                                                                     189300
tgaaaaagat gctgctttgg aacgtcgatt tcagcctatt tttgtgacag agccttcttt
                                                                     189360
ggaggatget gtetttatte ttegtggaet aagagaaaaa tatgaaattt teeatggagt
                                                                     189420
caggattaca gagggggctt tgaatgccgc agtcctactt tcctatcgtt atatcccaga
                                                                     189480
tcgctttctt ccagataagg ctatcgattt gatagatgaa gcggcaagtt taattcgcat
                                                                     189540
gcaaattggt agtcttcctc ttcctattga tgaaaaggag agagagcttg ctgctttgat
                                                                     189600
cgttaagcaa gaggctataa aacgcgagca atctccttcc tatcaagaag aggcggatgc
                                                                     189660
tatgcagaag tctatagatg ctttgagaga ggaattagca tctctacgtt tgggttggga
                                                                     189720
tgaagagaag aagttgattt cggggctcaa ggaaaaaaaag aattccttgg aaagtatgaa
                                                                     189780
attttctgaa gaggaggcgg agcgtgttgc agactataat cgtgtagctg agcttcggta
                                                                     189840
tagtttaatt ccccaacttg aagaagaaat caaacaggat gaagcctctt taaatcaaag
                                                                     189900
agataaccgt ctccttcaag aagaagttga cgagcgattg attgcgcaag tggtagctaa
                                                                     189960
ttggacaggg attcctgtgc aaaaaatgct agaaggggaa gctgagaaac tgttaattct
                                                                     190020
tgaagaatcc ttagaagaac gtgtggtagg acagcctttt gcagtctctg cggttagtga
                                                                     190080
ttctattcgt gctgcacgtg taggtttaaa tgatcctcaa cgtcccttag gagtcttttt
                                                                     190140
atttttaggg ccaacagggg taggaaaaac cgagcttgca aaagctcttg cagatcttct
                                                                     190200
tttcaataaa gaggaagcta tggtccgctt cgatatgtca gagtatatgg aaaagcattc
                                                                     190260
catttccaag cttataggat cttctccagg gtatgtgggt tatgaggaag gtgggagtct
                                                                     190320
ttctgaggct cttcgacgac gtccctattc agtagttctc tttgatgaga tagagaaagc
                                                                     190380
agataaggaa gttctaaata tccttttaca ggtttttgat gatgggattc ttacggatgg
                                                                     190440
gaaaaaacgc aaagtaaatt gtaaaaatgc cttgtttatc atgacatcaa atataggttc
                                                                     190500
tccagaactt gcagattatt gttcaaaaaa aggaagtgag cttacgaaag aagcgattct
                                                                     190560
ttetgtagte tetecagtat tgaaaagata ettgageeet gaatttatga aeegaattga
                                                                     190620
tgagatactt cettttgtte cattaacgaa agaagatate gtgaaaatag ttggcattea
                                                                     190680
aatgcgaagg attgcccaga gattaaaggc acggcggatc aatttatctt gggatgattc
                                                                     190740
tgtaatatta tttcttagtg aacagggtta tgacagtgct ttcggagccc gccctttaaa
                                                                     190800
acgtttgatc caacaaaaag ttgtgatctt gctttctaag gctttgctta aaggagatat
                                                                     190860
taaacctgat acatcgattg agttgacgat ggcaaaagag gtgctcgtat ttaaaaaagt
                                                                      190920
ggaaactcct tcttagagag ttttctatgg gtgcggaatt ttagatacta ggaaaagccc
                                                                     190980
tetttgttaa gagaatggat aggtttttag attetatgte ttettgetae getttettgt
                                                                     191040
ttcccgggat cataaaaaa ctaggacgat aaagtgtgtg taggattaga attgtgcggc
                                                                     191100
aagcttcatt tggctaaaca agagcagtca cagaaattta agaagtccta tgtttaagag
                                                                     191160
etttatagta aggtatatgt ttgtaggtgg cettgtttca ttettgette etateceega
                                                                      191220
Cttggaatgt gcgaataatg taacaaaaac ttatgataag aaagcttctg ttatatccag
                                                                     191280
```

191340 agatettaag etacaggaag aetgeeagaa gttttggaat ettgateegt ataaactaga 191400 aagtetttgt gettateaag tgetttaeea tgatgaetat agtteeaaga gaataegaga 191460 gettttteet caaatecaaa aagacgaagt ceceatattt geaacaatga ttettaettt 191520 agggaaagta gaccgtggct tttctcctga agaaatttca ttgatccaaa aactttctta cccaggcctc tcattggctt ctttgagagg gtctacagaa attagacccg aatacagatt 191580 tggctcgtgc tttagtagtg tcggagtttt ctggagattt agggaagaac cgagctgact 191640 191700 actatageaa ttgccttgat attttggcgt tgcgtattca tgcagaacgt caaaggtatt tagateagte teettgtgtt cetggaacet eegagtttea taaggeaact atagaageta 191760 ttaatacgat actcttctat gaagaagcag ttcgttatcc ttcgaagaaa gaaatgtttt 191820 ctgatgaatt ttctttctt tcttcagtta cagatagaaa attcggcgta tgtttagggg 191880 tetettetet ttattetet ttgteacage gettagattt acetttagag getggaege 191940 ctcctgggca tatctactta cgttatcagg gtggtgaggt gaacattgag actacagctg 192000 gagggcgcca tcttcctaca gcaagttact gtgattgtct agatttagaa gaccttcagg 192060 192120 tgcgtactcc tgaagaaatg atagggctta cttttatgaa ccagggctct tttgctctgc agaagaaaaa gtataaggaa gcggaagagg cttataaaaa ggctcaagag tatttgggag 192180 acgaggaact acaagagctt ttggggtttg ttcaaatcct aggaggaaag aaaaaagagg 192240 192300 ggaaatettt gattggtaaa agteetegeg etteeeagaa aggateggtg gettatgaet accttaaagg tagaatcaac attccaacac tagctctttt attttcttat ccaggatcca 192360 attatgaaga gatagcttct tatgaagaag aactcaaaaa ggctatgaaa agctcgatgc 192420 192480 catgttgtga aggacagcgt cgtcttgctt cagtagcatt tcatttgggg aagacagcgg 192540 aggoggttgc tcttttagaa aaatgogttg aggatatccc taatgatctt tctcttcatt taaggttatg taaaatccta tgtgatcgac atgagtatac aaaggctttg aaatacttca 192600 taattgcgga aagacttatg gaggatcagg gatttcttaa aaaagacaat cgttcgttcg 192660 ctttatttta tgaggtgaaa aaaatcatat ccaaagtggc tcctcaaaaa gctaacacct 192720 tgcttttaat ggagtctgaa agataacttg atcagttctt tctgtattgc tcttatttat 192780 192840 aacatgttat aacattgcaa gtgttaattt ttaacagatc tttatttgtt gcaatatttt 192900 tttaaataag aattgageta tttttagee teatattgea gatgteatga aagatttgaa tcaaagtaag tcttgctttc caagctttgg taggattaaa gtgtttgaga tgaattcgca 192960 193020 ttttttaaat tattgttgga attagtatga gcagttcgga agttgttttc cagacagttc 193080 atgqccttqq ctttggtgga ttgtcttcaa aaagtgttgt cccttttaag aaaagtcttt 193140 eggatgegee eegtgttgtg tgetegattt tagttttgae tetggggttg ggagegettg 193200 tttgtggtat tgccattact tgttggtgtg tcccgggagt tattttaatg gggggaattt 193260 gcgctatagt tttaggtgca atttctttag ctttaagtct attttggttg tggggtttat tttctaattg ttgtggttct aagagagttt taccgggtga gggattgcta cgggataagc 193320 193380 ttttagatgg tggattttca agagcggcac cttcaggaat gggacttccg ggtgatggat 193440 ctccaagagc gtcaacgcca tcttgcctag aggaacttca agcagagata caggcagtta ctcaagctat cgatcagatg tcagatgatt gactctaaag cgtagaggta cttaagggag 193500 193560 aggetttget aateagtaaa gaaaetttaa tacaagtaag atetaagttg aataaettaa 193620 aaagataatg aataaaaaca aaatagcatg ggggaccaat ggctgttcaa tctataaaag aagccgtaac atcagccgca acatcagtag gatgtgtaaa ctgttctaga gaggctatac 193680 193740 caqcatttaa tacagaggag agagcaacga gtattgctag atctgttata gcagctatca 193800 ttgctgttgt agctatctcc ttactcggac taggtcttgt agttcttgct ggttgctgtc 193860 ctttaggaat ggctgcgggt gctataacaa tgctgctggg tgtagcatta ttagcttggg 193920 caatactgat tactttgaga ctgcttaata tacctaaggc tgaaataccg agtccaggga 193980 acaacggtga gcctaatgaa agaaattcag caactcctcc tctagagggt ggtgttgcag gagaagccgg tcgcggcggg gggtcacctt taacccaact tgatctcaat tcaggggcgg 194040 gaagttagat tttttatcta acctactaag ttagtatttt aactgtaggt ttttccttcc 194100 194160 qttqttttaa aagaacctca agaataacta gaggttcttg tttgtttatt gcaatcttcg 194220 tttttgctat ctatagttaa cttatataaa tataaggcaa atggtggaga gttagctcta 194280 tggaaagtga gaaagatata ggagctaagt ttttaggtga ctataggatt ctctatcgca 194340 aggggcagag cctatggagc gaagatettt tagccgaaca tcgatttata aaaaaacgtt 194400 accttattcg attacttctt cctgatctag gaagttctca accattcatg gaagcttttc 194460 atgatgttgt tgttaaacta gcaaaattaa accatccagg catcctcagt atagaaaatg 194520 tttctgaatc tgagggaaga tgtttcttgg taacacaaga gcaagacatc cccatccttt 194580 cactaacgca atatttaaaa agtattcccc gcaaacttac agagctagaa attgtagata 194640 ttgtaagcca actcgcttct cttttagatt atgtgcattc agaaggactg gctcaagaag 194700 agtggaatct tgattctgtc tatattcata ttttgaatgg tgttcctaaa gtcatactcc 194760 ctgatctggg gtttgcttca ttgataaaag aacgtatttt ggacgggttt atttcagatg 194820 aggagaatcg agaatctaaa ataaaagaaa gggtactact tcacacttca gaaggaaaac aaggtagaga agatacgtat gctittggtg ctatcaccta ttatttactt tttggttttc 194880 ttcctcaagg cattttccct atgccttcga aagttttttc tgattttatc tatgattggg 194940 atttttaat tagctcttgt ttaagttgtt ttatggaaga aagggcaaaa gaacttttcc 195000 ccttaataag aaaaaaaact ttaggagaag agctgcaaaa tgttgtcact aactgtatag 195060 aaagctcttt aagggaagtg ccagatcctt tggaatcttc tcagaatctt cctcaagcgg 195120

teettaaagt aggggaaaeg aaggtaagte accageagaa ggaatetgeg gaacatttag 195180 aatttgtgtt agtggaagca tgctccatag atgaagccat ggataccgct atagaatccg 195240 aaagtagttc tggagttgag gaggaagggt attccctagc tctacagtct ttattagttc 195300 gggaaccagt agtgagtcgt tatgtagaag ctgagaaaga agaacccaaa ccgcaaccca 195360 tacttacaga aatggtttta atagagggag gagaattctc ccgaggaagt gtcgaagggc 195420 aacgtgatga gcttcctgta cataaggtaa ttttacatag ctttttctta gatgttcatc 195480 ctgtgacgaa cgaacagttt aatcgttatt tagaatgttg tggtagtgaa caggataagt 195540 attataatga gttaatccga ttgcgagatt ctcgtataca gcgtcgttcg ggtaggcttg 195600 ttatagagec aggttatget aageaeeetg tegttggggt taettggtat ggageeteag 195660 ggtatgcaga atggatagga aaacgcctgc ctacagaagc tgaatgggaa atagctgctt 195720 ctggcggggt ggcttgctac gctatccctg tggggaggaa atcgaaaaaa gccgggcaaa 195780 ttttttcact gcggatacga caacagtcat gagttatcca cccaatcctt atggcctcta 195840 tgatatggca gggaatgtct acgagtggtg ccaagattgg tatgggtatg atttttatga 195900 aatttetget caagagecag agagteetea aggteetget caaggagtet ategggtget 195960 aagaggggga tgttggaaga gcttaaaaga tgatcttcgc tgtgctcatc gccatcgtaa 196020 taatcctggg gctgtaaata gtacgtatgg ttttaggtgc gctaaaaata tcaattaaga 196080 gaggttcatg aaggaagaga attcacaagc acactactta gctttatgtc gtgaattaga 196140 agaccatgat tattcttatt atgtgttgca tcgtcctaga atctctgatt atgaatatga 196200 catgaaatta cggaagcttc ttgaaataga gagaagtcat cccgaatgga aagtcttatg 196260 gtctccctca acacgtctcg gagatcgtcc ctctggaact ttttctgtgg tttcccataa 196320 ggaaccgatg ctttccattg ccaatagcta ttctaaagaa gaactaagtg agtttttttc 196380 tagggtagaa aaatccctag gtacaagtcc acgttataca gtagaactta aaatcgatgg 196440 gattgcagta gcaatacgtt atgaagatcg tgtgttggtt caagcactca gccgaggaaa 196500 tggaaagcag ggagaggata tcacatcgaa tattcgaaca atacgctcct tgcctttaag 196560 acttccagaa gatgctccag agtttattga agtacgtggc gaggtcttct tctcttattc 196620 tacgtttcaa attatcaatg agaagcagca acaattagag aaaactattt ttgccaaccc 196680 gagaaatgct gcaggaggta ccttaaagtt actttctcct caagaaagtc gcaaacgtaa 196740 attagaaatt totatotata atotoattgo tooaggagat aacgattoto attatgaaaa 196800 tettcagege tgeettgaat ggggatttee tgtatetggt aaaccaagat tgtgetetae 196860 cccagaggaa gtgatctcag ttttaaagac tatagaaact gagagagctt ccttgcctat 196920 ggaaatcgat ggtgctgtca tcaaggtaga cagtttggca agtcagagag ttcttggagc 196980 cacagggaaa cactatagat gggccttagc ttataaatat gccccagagg aagcagagac 197040 ccttcttgag gatattctag ttcaagtagg aagaacggga gttctgactc ctgtagctaa 197100 actcactect gtactgttgt cagggtettt agtatetaga gegtetetat acaatgaaga 197160 tgagattcat agaaaagaca tccgtattgg tgataccgtt tgtgttgcta aaggtggaga 197220 ggtgattcca aaagtagttc gggtatgcag agaaaaacgt cctgaaggtt ctgaagtttg 197280 gaatatgeet gaattetgee etgtetgeea tagteaegta gttegggaag aagatagagt 197340 ttctgtgcgt tgtgtcaatc ctgagtgtgt tgcaggagct attgaaaaaa ttcgttttt 197400 tgttggtcgg ggagctttaa atatcgatca tttaggggtg aaggtaatca caaagctgtt 197460 tgaattaggg ttagtgcaca cgtgtgcgga cctatttcag ctgactactg aagatttaat 197520 gcaaattccc gggatacggg aacgctctgc aagaaatatt ctagagagta tcgagcaagc 197580 taaacatgtg gatctagatc gttttcttgt tgctctgggg attcctctca ttggaattgg 197640 tgttgctact gtactagctg gccacttcga gactttagat cgggtaattt ccgcgacttt 197700 tgaagaactt ctttcactag agggtattgg agagaaggtg gctcatgcta ttgctgagta 197760 tttttcagac tctacgcatc ttaacgaaat caagaaaatg caggatttag gagtgtgtat 197820 atctccttat cataaatcag gatctacgtg ttttggcaag gcttttgtga tcacagggac 197880 gttagaggga atgtctcggt tagatgcaga aactgctatc cggaattgtg ggggtaaggt 197940 aggeteetet gtetegaaac agaeegatta egtagttatg gggaataace eaggatetaa 198000 attagagaag gctaggaaat tgggagtctc tatcttagat caagaagcct ttacaaatct 198060 aattoattta gaataattta ttttaaaaatt ttottaatao attaattott atttgtaaaa 198120 gttttattta aattatttat tataaattct tttacageta taattgteeg tattttataa 198180 gtttttttgt tcttttggga gtaaacatgg cttcttcttc aaacaattcg actaaacagg 198240 acggcatacc atcttgggta aacccaaatg tccagtggaa tcgagcgtcc caggtgggtg 198300 atcaagaagc gaatteteta acteeagagg etcaaaette acgtagetgg tttteegate 198360 gcaagcattt tcttgaagtc ttagacgtta gtctagagga gatggagaac aatgacctta 198420 agaaatactc tagatataag acgattatcc tgattgccac gctggtcact gttgcgatta 198480 cetgtategt tectatetet atggtgtttg gtatecegat gtgggtgeee tgtettattt 198540 tatttggage gggtetttet teggetttte ttteteateg tetteaatet aagtgeaagg 198600 agatccattt aagataccga gcgtaccaga tttatcgcca gcagctgttg agtcagtacc 198660 ctgacttgag aaagtctact ctctataaat atagtattac ccatgtcaaa ccgaaaaagg 198720 gatttgttgg taaactcgta gaaaatttgc gccctgattt gcataaaaat aaggacgatg 198780 ggggtgctgc tgcagactcc agattagatt ttgcgggata tggagtaaag cattatcaga 198840 eggatgetet aettggagtt teaggtgtta atagtgtaga atggeaaegt ettgeetete 198900 tgattatgag tgttaagaac gacattttaa atgatgtggg aagcagagag cccattgata 198960

```
199020
aagcgcaaag gtctgcttta gtagtcagtg gtaaggatat tggaggggag attcagcctg
                                                                      199080
gaggtatttt agatatttcc agagatattc tagcgatctg tggctacggt atgaatgtag
                                                                      199140
gtgttgagge gaagaaaget atagaccagt ataagaagtg gtateteaat agtagtacat
ttattgcttg gaatccgcag cttcctgcta ttgcccagtc ctatttacta gaacaacaac
                                                                      199200
gacatctaga ttatgctgct aagattttcc aagatctttc cgcattgacg acagcccatg
                                                                      199260
                                                                      199320
gtacagggca ggctcttgaa gatttagata gtttgctttg ttattatgat cagttaattg
aatctaaagg tgtcggtgaa aagataatag catcgattca ccagaaagca tctcgactta
                                                                     199380
gcaatgcaag attcctgcga tcaggaacat ttaaagaaat ggtcgaatct ataccacgtg
                                                                     199440
ttttcaatta ctattaaaga attcactgaa ggtaagctag aacaaaatga ggtagtatct
                                                                     199500
agaatacaaa ggcttcgagg taagttagaa aaaagtaaat gcagcattct tggaaattgt
                                                                     199560
cgaaccaacg cagaatatgc aacaaagtct gaaaaaaaac tcgcagatta tttgctgcag
                                                                     199620
attggggata gagaaccttt ccttactgga atgcataagg cgatagccac cggaaaagct
                                                                     199680
attcaaggaa aagtggaagg agtcatttca caacatcctg aaaagcaaat tatgatgctt
                                                                     199740
cggtgttcta tagagagact cgaagggatg ttgcgtcgag aggattgggg agcaatccta
                                                                     199800
                                                                     199860
caaaaaaacg aagacgaagt cettgeattg aagagtacaa tggaagetea getteaagga
tttaaggacc ttgtaggtac ctgggaagga aaatatcagg aatttaagaa aaacaagctt
                                                                     199920
                                                                     199980
tocaaagtti tagtttacga ottoacaaaa tootattota acottotaaa togtttggag
gtactccatg ccgagagctc cacggatgat ttggtattac atgtcgatag aatgtcggaa
                                                                     200040
gatctgaaga aaacaatcga ggagattgac ggcaatttat ttcaggtaac tcctgaagag
                                                                     200100
ctctctttgt tagctcggga atatcaggga ctcatgaatg aacttcctct gatcgttcaa
                                                                     200160
gaggggaatc ggctccaaga agcaatctct agtgaagggg tttctcaagg attgatgttg
                                                                     200220
                                                                     200280
ttgaactctt tattgaatag agatgaaaaa ataaataaaa acatagaaag cagtaggaaa
aacttagtag ctatcgcgaa acaagcacgt agcgatgcga gaaatataga cagtcaggga
                                                                     200340
ttggctcctt tgatccaaag gaatagagct agcctggaca acattctcca gaatatgtat
                                                                     200400
ttgtttaacg gcagtatacg taatatccat gctctagata cggaaacgtt agtggcaact
                                                                     200460
toototaata tgttttotgo gatgoataco ttogactgga atatotatac gaatttgott
                                                                     200520
gatgttttag aaatccaaag caaaccagct cctgccccta tggagaatcc tgaccttcct
                                                                     200580
                                                                     200640
ggagetette etgaagaggt eeaggatgeg gttgetgaag atgtttetgg gaeteaeagg
                                                                     200700
ctacatcacc aggtgttaaa gagacgctgt gctgacttaa aaaatatgat cagtcaattg
                                                                     200760
cagaagtcga taaacaaatg gggaatggct aaggccattg tcctgggaat tgttgcggtg
ctcttctgtg ttcttagtgc tatttttatt ggtcagaaca ttttatcctt actcattctc
                                                                     200820
tettgtgtag ggttaetttt gaeteaggta tgteetttaa tetttgateg tatatetaag
                                                                     200880
                                                                     200940
agcaaggagt ttgagaagca agtgcttgag acagcgcagt ccttgattcc tgccactaag
attetteeet cagaatteaa taataaggat ettaategtt tagetaaget eeaggataat
                                                                      201000
ttaaatcttg agggttttgg tcctacatgg gcgcgcaata ttgtgagtga tctagagggc
                                                                     201060
                                                                     201120
attccgacta aagaaaagag cttgaaggat cttactaaag agttccgtaa ggattctaaa
                                                                     201180
aacttaaata agcgtataaa aagacgtttc aaggaggggt taggacaaga agcgcctgtg
gttcgtcctá ctatccccca agatattcgt ggagctgagg tttttgcaga gttacatcgc
                                                                     201240
                                                                     201300
gagttagagc accttcaaaa gcaaaaagaa gagattagta ttcggggaga tgctctggtt
                                                                     201360
caagagcgca tgggtctgtg cttagaaaag tctaagtacg acaatgaaaa ggctcatgct
                                                                     201420
gccgctatga ctaagaaggt tggaaaatta caaaacatag ataggcttca aaaaaataat
gaaacgtatg taaggattca gaatttttt agaactttga ttcaagagaa attagggcgt
                                                                     201480
                                                                      201540
gacacagtcc aagagataga cgtagtcaaa gaggctaagg aattacacga attagcagca
                                                                      201600
atcatttacg gcaataccag tgggaaatct cagaagcaaa gagcaaaaaa gcagtttaaa
                                                                      201660
gagaatgttt tacacatagc agggaagggt caattagaac ttttagaggc ttacttgaat
                                                                     201720
gtgacagett etcaaggget etgtegecat caaatgeagg etteatttag agaaagaate
                                                                      201780
ttgctaaatc ccgatggagc aaaacatgga gaagccgaga ggacgcttgc ttctagggaa
                                                                      201840
gaaatgttga aaactctagg gctttcttat ttgacgcctt ttgtaagatt ttcttctcca
gaaagtacgc agtctggata taaccaaatt ctgaaagtcc gtgagcagct cttcgatatt
                                                                      201900
                                                                      201960
gagcagaggc ttcagaatca ggagactgtg agtcccgagg actatgcggc tgtacaagct
                                                                      202020
gctttagcag cttatgtccg caagcatgaa tctcttatag tttctactta tggattgggt
                                                                      202080
gctcaagaag gacaaacgag ttctaaagtg accactttaa tgcgagattt gcatgctgta
                                                                      202140
gaagagettg ttgagatggg tgtcgaaacg tatcgattga atcgcagcga tcagattctg
                                                                      202200
catcgcgtgc attctgtttt acacagccat ctgcgagata gcgattcttc aggaaatgga
attattgatg tagttaagaa attgtttgag cttctgaaca ataatgggaa caatcctaat
                                                                      202260
                                                                      202320
gatcccgaat gccaaaagta tatgcagata cttttagatg caccagtcag tctattgtat
                                                                      202380
ggtgcattta aaagtttcaa aaacgaattt ttacttaatt tcacggaatt gaatattgct
                                                                      202440
aattcaacaa aagctgctga ggaagaagct aaaaggtatg ttgaagagaa aggtagaggt
                                                                      202500
tttgagactt attgggagga ggctaagcaa cgattggaag caattgctgc tgagttggac
                                                                      202560
gacttaagga atcaagagac tctattggaa caagaaattc gtttggcgaa tttaaagata
                                                                      202620
agtatcttta gtgatttaaa tttaagagag aaggtttcag tagaaaaagc agctttagaa
                                                                      202680
gaagaaatcc aaggaataca agagcaatat gcagagatgc aggggattga agatctagag
                                                                      202740
ttaaaacaaa aattcgaaga tttgcaaaag aaacttgaag ctctagaaga aagattgttg
                                                                      202800
caaataggto gaaggataga ttoototgta gacaagcaga aagaactgtt gggtotottg
```

datagagaag aggetgetta	gaganat gat	taaattt			000000
ggtagagaag aggctgctta	gagaaaccac	rgcgcccgca	gateteatty	acggccagag	202860
attetttte teatcaacte	caatgaaaac	catagaggac	taggaaaggc	tctctatggt	202920
tttttttcac aatttccact	aaatgcccac	aaacgatagg	tagaccttcc	aataggatag	202980
cgtcctaaaa aggagttago	tggtcttttc	gctggcaaaa	attctaaqta	gatatgagat	203040
cagctcgtgc agcttaaagg	tatororoct	atateceata	taacqatcqq	ggcggataat	203100
aaatagggaa tttggatttg	catastsasa	attaaaatt	aaaaattaat	t-center-	
aaatagcgaa tttggatttg	cycyatagag	graaggarr	egaggtteet	taacattgca	203160
aatctctatc cattcgccat	attettettg	tagagcttcc	tttaagtcgg	ggatatcttt	203220
aaaaaagata agaaggtgct	tactactttt	taaaggatct	aagaggaaag	aaccgttttc	203280
taggcgagca tctatagcto	tcattcctgg	accaggacca	tggatttcct	tatcttgagg	203340
agacattttg ataatatcgc	tagaacccta	tttcagtgct	taataaaaaa	aataataata	203400
ctcttctcct gtagtattaa	actttccaca	tecetttaaa	23252253333	tannamen	
tetatagas sasaras	accettegaca		aaytaytata	ccaaagcagg	203460
tgtatagaag cgagaaaatg					203520
aggtaggata ttgccatctt					203580
tttcaataca ggaagtagct	tccaagcgag	attaaaggct	gcgtgaatat	tggtattaat	203640
accgttgaga taagaaagaa					203700
atgttcagga gggaatgcgt					203760
gagattgtaa gtataaagta					
gagategeaa geatadagee	geeteegeee	aagccccggc	gatatyyaat	gegereerig	203820
gggtagacag agctgtttcg					203880
ctttgtgatg ggaagaagat	ggatatgatc	ttcttcaaag	ggctcgccct	catcgcaatt	203940
gataaaaata acttctcgat	ttattctacg	tgctctcagc	tggcttttga	caagatccct	204000
gatgtctagg ttgttgtcag	cctcacagge	tataatccac	tttggattgt	agateteacg	204060
attttcaaaa ttttgtgata	ctttagtact	ttcaataaac	atactottat	caactagagt	204120
taggagget atagaggas	atatasaa	tecaacaaag	acaccyccac	caactagagt	
tacggggcgt gtcgaccaat	clatgacgcc	teegegtttt	agaaactcgt	caattaggtg	204180
ctgttctaaa ctttgatatg	ttgttgatag	agaaaaagga	actggagagt	ccgttgcttg	204240
gctgaactta aataataagg	ttctcttttt	ccaatggtaa	cgcgcaccaa	agatcttatg	204300
gttggcttgg ataaaatcgc	ctagcatttc	actattgtga	agaagctcca	aggaagagca	204360
agacaagatt acagggagct	tacgacaatc	taagaagcta	ggatcctcag	gagaagetet	204420
gtggtcgata acttttacag	agateceato	ttatattaac	atatttqqq	3334430000	204480
tatagastta acceptata	agaccccatg	tageattage	acact cocca	adatgagacc	
tgtaggatta gcacctatga	Cladalgic	Lyccalacti	geeeteggat	agtgaaaaag	204540
attttcataa cattatagga					204600
atgaatatag gtgcttccat	ctagaagttg	tatttaaaat	tgtagtgttc	tagaaccgtt	204660
gtaccttgaa ttaaggtaca	actgaaattt	aaagtgttcg	ttggaagtgg	ctcacaattt	204720
gatctaagat catatctaaa					204780
agatgaaagt cattcttcc					204840
caagagtgtc atcaatgcct					204900
ctgtaacgtg atcttggatg					204960
gaggaggacc aaatccaaag	tectteceaa	cagagataat	atctccttcg	ccgtgtttag	205020
agaaattctc atagagctct	tttaataaga	tgcccccatc	tgcaattgga	gcccatacac	205080
tcagggcttt gatatttaag	tetettagat	tatagatttt	agccaactcg	aaagctatgt	205140
ggcatcctaa agaaaaacct					205200
ggcaccetta agatatacet	. gadaccccca	aacgatatge	accgagaccc	gggtgtttt	
ggacagtttc aagtatggtt	. Egrgcarcac	gtaaataggt	ctctatagga	acttetteag	205260
caacteette actatetee	catccggcca	tgtcgacacg	taaagtggca	attccagctg	205320
cagcgaattt tcttcctaat	: tttcgatagg	ctccagttaa	acctccgaat	tttgttcctc	205380
ggaagccgtg aaacaacac					205440
gatgtaaaac accaataaga					205500
cttgcttcgg acatacttct	. guerryautt	gaacyanacc	tectygaatt	cyayyaaatC	205560
ccggaacacg gactggagct					205620
aaaaagcaac tttacgcat					205680
gggcgctcct gtttttgtca	ı atgtcatgga	agtttttgaa	ggaaaaacgg	acaagactct	205740
tgttttttcc tctggggaga					205800
tagaatatgc gatatgacco					205860
					205920
catcgaaget ttcaageaa					
ttcccttatc cttcaggage					205980
gatattgttg cgagatataa					206040
gatagetttg gtttgeeege					206100
acgacccaga agaatatcg	taattttaaa	aaacagctct	ccgctatggg	attttcctat	206160
gatgaaggac gagaatttg					206220
ttcctttttc tttatgatca	aggacicgce	Latarggccg	acatggcagt	gaactactgt	206280
ccagaacttg gtaccgtat	accgaatgaa	gaagttgaaa	atggattctc	aatagaaggg	206340
ggatatcctg tagagcgga	a aatgcttcgt	cagtggattc	tcaaaatcac	agcatatgcc	206400
gataagttat tagaaggtc	cgatgcccta	gattggcccq	aaaatgtaaa	gcagttacag	206460
aaaaattgga tagggaaat	tgaaggggct	ctcgtaacan	ttcatttgac	dcaadaddd	206520
agtctagaag ccttcacta	ccacctagac	actttattar	gagtgagttt	cttantnatt	206580
gctcctgagc acccagatt	- acattctate	atazatassa	222224266	caaatcaca	206640
Journal accordant	_ uguecocaca	gryagryaag	aycaaayaya	cyaayicaca	200040

		~~~~~~			* <b>*</b>	006800
	aagagagtct					206700
	tctttacagg					206760
	cagattatgt					206820
gcgcatgacg	agagagatcg	agagtttgct	gaaatgtttt	ctcttccgat	tcatgaggtg	206880
	acggggtttg					206940
	aagctaaaga					207000
	tgtacaggct					207060
	tcattcattt					207120
cctcttctcc	ctccgaatat	tgatgactat	cgtcccgaag	gattcggtca	gggtccttta	207180
gcgaaggctc	aagattgggt	gcatatctac	gacgagaaga	caggtagacc	aggatgtaga	207240
gagacttata	ctatgccaca	gtgggcaggc	tcttgctggt	attatcttcg	tttctgtgat	207300
gcacacaact	actcagttgc	cttggagtaa	agaaaaagaa	agctattgga	tgcctgtaga	207360
	ggaggtgcag					207420
	tatgacgcgg					207480
	gtgttagcct					207540
	gaagaaaatg					207600
acaagagaaa	atgtctaaat	cgaaactcaa	tggtgtggat	cctcaggttt	tgattgaaga	207660
gtatggtgca	gatgccttac	gtatgtacgc	tatgttttcg	ggacccttgg	ataaaaataa	207720
aacctggtcc	aatgaaggtg	tttggggggt	gccgtcgttt	cctaaatcgt	ttttatgatt	207780
	tcagaggttc					207840
	aggattacag					207900
	tttctgaacg					207960
					_	
	cgtgtattgg					208020
	ccaccaggga					208080
agttgctcaa	actgtgactt	ttgttgttca	ggttaatggg	aagttacgag	gacgtctcga	208140
ggtagccaaa	gaagctccta	aagaagaagt	tttatctttg	tctcgaagtg	tagttgcaaa	208200
gtatctagag	aacgctcaaa	tacgaaaaga	aatttatgtt	cctaataaac	tagtgaattt	208260
	tgctacgagg					208320
	ttgtaattgc					208380
	ctctagcagt					208440
						208500
	ggtttcatgg					
-	gtgaagaatt					208560
ggagtgcagg	tggcaagcca	agtgtttatt	cctatgggag	ccactgtttc	aatactgcct	208620
<b>tt</b> ggatttta	gcataattat	caaatcggta	gtcgctaaac	tgcgtccctc	ccttgcagtc	208680
ttttctgaag	gggactgctg	gctaaatttt	attgaggaag	caaaacgtat	aggagcaact	208740
actctcgtca	ttaatggtag	aatttccata	gattcttcaa	agcgttttaa	atttttaaag	208800
cgcctaggta	aaaactattt	ctctccagta	gatggatttt	tattacagga	cgaagtccaa	208860
	ttctttcttt					208920
	tagcagcaca					208980
						209040
	caacggactc					209100
	ttcctgtagt					
	ttgaaaagac					209160
	ggagccgcgg					209220
attggcttat	tgaaacaact	ttatgttgct	ggtgatttag	catttgttgg	aggtactttc	209280
gatcctaaga	tcggaggaca	taatttatta	gaacctctcc	aatgtgaagt	ccctttaatt	209340
tttggtccac	atattacatc	gcaatcagag	cttqcqcaac	gcctgttgct	ttctggtgca	209400
	tagacgaaat					209460
	gtgaggctta					209520
-	gtacatggag					209580
						209640
	ttcatcggca					
	cggaggttcg					209700
gctcaggtgg	ttagagcagc	agaancataa	tctgcgtgtc	gttggttcaa	atccgactac	209760
cgctatccat	gctagaagac	attcattttt	taataaaatt	taaaaaaatc	ttcttagcca	209820
					ttatgttttc	209880
	taaagatctt					209940
	_				acaattcatg	210000
						210060
					gcactccaaa	
					agataatact	210120
					ttaacacacc	210180
					gaagatcaca	210240
					cacatccgtc	210300
aggatgatca	gattgtggag	ttgcagctct	ataaaaatag	aaacagtacc	atatagtaaa	210360
gagattgcct	attgtagatg	gtattccaac	accaccctga	gctattggat	acttattagg	210420
gaaaaatgcc	gtcctaccaa	gaaaagcgct	tegtecaggt	tcctcactaa	gaacaacaat	210480
J	, J = = = = = = = = = = = = = = = = = =	<b>J</b>			-	

```
attgtgcatc atatgtctag ccagaagctt tttgctttcc aagctaaaat atttgttgcc
                                                                      210540
 ttcttctttc agaagaatat cttttatcag tttttcttct tcaggatgac ctgtaaagtc
                                                                      210600
 aaaaggtega titticaaga ggagttetgt aggeeaatet aaegttaaaa gtaatttat
 aaaacttgcc ttaaggagtt tcaactttca taagttgata tttcttagga agagaataga
                                                                      210660
 agageggaga aacagttaga geegettett teactagege aggaattttt ggeaatgate
                                                                      210720
 agttettegg etttagtaat ttetgtgggg ataaaaaata etgetegate caaatettta
                                                                      210780
                                                                     210840
 ttaaacttgt tatataagag gtagcgtatc gctagagcta tcaagactag aggaaacagg
                                                                     210900
 ataaaggaaa ggatttttaa aattttttct gctgtagaaa caacagcctt ctcttttta
 gccaagataa gtccggaggg tcgaagagaa ataatgcgcg tcacagtctc tcctcctaaa
                                                                     210960
                                                                     211020
 caaaaatagg agttcagctg agccatcaac gaagcttgcc aattagggga agctccagga
                                                                     211080
 gaaaattggt atatgttcat aagggcttct ttataagtga caaagctaaa ttataatcat
 211140
 tatccgcctg agcaccatcc gaactctaaa ctttttagga agtctagaat agagagccat
                                                                     211200
gcccttttta attgtctttg ataaatccat gatccttcaa cacagatcca tagttttctt
                                                                     211260
cccaaactat aaggaatcct ataggtccat atggacctcc attacgcccg tcattttgag
                                                                     211320
                                                                     211380
cgcctgcttg tggtctatat tttaatccaa ggtttaagag cctattatgg acttcgcagc
ctgcttgttt aaaatccttt tctagtttgg ggccgttaga atggtagtaa taaaaataaa
                                                                     211440
tgaaggeeca tacagtgggt tttttagttt catgaetgaa etegattaag aaagattete
                                                                     211500
tacctccatc aatagtggat gtaggaaagt tcaatccggt ttcgagctta aagagttgtt
                                                                     211560
ctaagagata acgtgccaag attttcttgc tttctaaaca aaactcctcg ccaggattat
                                                                     211620
                                                                     211680
tcttttcaag tttagcaact gtatcaatta tagccttgct ttcaggataa taggcaaaat
caaaatcctc actcaaatag agtttaggcc atggtataga atctgtatct aagtcctcta
                                                                     211740
                                                                     211800
agagcaaatc tatatttata gagagggtaa ttttaggagg ctacccttta gaagtttgga
                                                                     211860
tgtacatact ttggtatttt gtaggtaggg caaagaaacc tgggtggacc tctcgagctg
ctttttcaac taattgagga tttgctgcaa gaattagctc cagttcttta ggcgtgtctt
                                                                     211920
gagggataac gaagcatttt ctatcgaatt ttctatgtaa gaagtagcgg atagccagag
                                                                     211980
                                                                     212040
cgattaaaat gatcgggaag aagatcagag caaggatett tataaetttt tetgetgttg
                                                                     212100
agacctgtac tttttcttca gtagctaaag aaaacccaga gggagtcatg gagaaaatcc
                                                                     212160
gagttgcagt ttctcctcca aaacaacact aagagtcgag tttactcata agcccagctt
                                                                     212220
gccagttcgg gcagatgcct ggagaaaaag agtatatgtt gctcataaac aatccctttt
                                                                     212280
aaagaattag ccatcttatt ttataaattt tctgattcta taagtcttag ttgagaattt
                                                                     212340
taatttttaa tatagatgtt tttttaaagc ttaagaaatc ttaacacaaa agagccgttc
                                                                     212400
ctttgcatct agcttagaat attcttatag gaatggacag gttgtcagag tagaggcgaa
                                                                     212460
tgcgtttgat tttcccaaag cagggtcaaa ggtcgttgat ctataagctc ctctttcccg
aagtactgta aagggcctgg aaaacggtat aaatcttcaa ccaaacaaga atcactttgt
                                                                     212520
                                                                     212580
tgaagtaaat gttgaacagc aggggatttt gggtctacag aatctgtttt aataacagga
                                                                     212640
gtetetgtee cacaacgatt ttetaagtge atcatettat ataatggagt ggeteeeeet
                                                                     212700
tgccattcag tataagattg agcaagatta ttgattgtaa tcatataacc agtcttttgt
                                                                     212760
cggaccagaa ataacgcaga aatgatccct aaagcgattc cataattaca atcaaagttg
                                                                     212820
gaagggaatc ctgctcgtgc ttcataacca aaaaaatgcg atacagaatg gaattccata
                                                                     212880
tggggtttta tettttegat tteettettt accattactg caageagete ttetgtagea
                                                                     212940
atttttgana ctctaacatt tccatgagaa tctcgagcta gaagaagttg gttcgcaata
                                                                     213000
tccttaggaa acaagtgaaa tgtttttatg tctctggaga gagcttggaa agaatttttc
                                                                     213060
atagaagaat ctccattggc gagtaaaaca ttgagttcat ctataagctt gcgtgtatcg
                                                                     213120
aaaatatgct caatcagtcc ctctgggatt aacacagtac tatagttttt tccagattta
                                                                     213180
tageggegta ccaaacctaa agcaagetgt teactcagtt getttaaaga gatttteeta
                                                                     213240
gtggcaataa gttcgctaat taaagctata ttagggaggg tctgcaatcc gcattctaaa
                                                                     213300
gtagtataag aggeetgetg ceceataagg eggatgaaat ggtggtattt ttttgeagaa
                                                                     213360
agagcatett tagcaagatt eecaateatt tetgagtaeg tgegacaaga agtatgaaaa
                                                                     213420
cctaacgagg tttcaatcca acagttctta agatcaccat ctatagtttt agggactcca
                                                                     213480
atcacggatg ttttgcagtt gtgagcaagg aaatattctg caagcatcgc agtgtccgta
                                                                     213540
ttggaattat ttcctcctat aatgagtagt ccgtctaact ttagttgctt gactgtgttg
                                                                     213600
aggatgtttt ttttctgctc ttcagtttta attttttctc ggcttgagga gagcatgtcg
                                                                     213660
aaccetecca tgttgtaata atcatagatt acggagatat ccagatettt atagagecca
                                                                     213720
cgagtaagee etaaaggtee titgatgaat ecaaataage gagtettggg attgaataet
                                                                     213780
cgtaaagcat caaaaagacc aataacgaca ttatgccccc caggagcttg tcctcctgat
                                                                     213840
agtaaaaccc caatctttaa tggttttgat gacgtttcct gttcagtata aatagaaact
                                                                     213900
tcagggatcc gacatagatt gggaatgtgt ttttgcaact ctggaggggg tgaaggggga
                                                                     213960
gacgaagttt cttggatatg tttcgaacgt atcgtttcta ataaagtaag aatctcaggg
                                                                     214020
cggtagcgaa ggcgttggat ttcaaaataa cttttattta acgagagaag ttccacagtt
                                                                     214080
tattccccag aagttaatte tetttttaae eattgegtga gateegaaag ageegaagat
                                                                     214140
teggeaaaag gaaaegegtg ategaeateg ggataagtaa gaatagtaat tggtttgtet
                                                                     214200
tgatttgcaa atgcttcggt aaacagtgtt ctgtggttga tagaaaccag aagatcttgt
                                                                     214260
tcaccttgca tataaagaat tggagggaga ttgcgagcac taggcataag ctctttcaca
                                                                     214320
```

atatctattt ttaagaattg Cgtataaaaa tcaggattta aagtcatccc agcataagta 214380 atggcgcctt tttgactcat tgtgatcact tcaggagcat ttttttgtgc ttccgcagcc 214440 attaattete etgaaattgt aggegeeeat acagetaagg etttgatttt attaaaaaaa 214500 ggaagagtet gaagagcaag agtteeteeg agtgatgaae caaaaatage gageetttet 214560 tggtctatat gaagtaggga atgcgtatat tcaatgattt cacgaatgtt ttgcttataa 214620 ttttcaagag aaaaatccat aagctcaccc tcacagtctc catgaccaag gagatctact 214680 cttagagetg cgatacctaa Ccgagtgagt teetgageta geetgacatg agagegttte 214740 gaaccggttt tatctgaagc taaaccatgg agaaggatca ctataggata gggaggatta 214800 taatggagag gagtatgtag aaggccaaaa gttgtaaaat tattcagtag ggtcagtgaa 214860 aacatggtgc gctgctcatg cttttccaat accacgcctg taatcaaaag aggctcctgc 214920 tttctggatg tgcttgacct atgtcaatgt agtttctaaa gaaaaattag tcgagaaaat 214980 tcgttgcatg gaatgcctct aactaaagtt ctcaaaaaca gccatcaaaa atcgtgtaaa 215040 atagtatcag aacaatccct ggatgaatag tttacaggaa tgatttaaac ctccttattg 215100 ggttgatagg aatcttccca atagatacga atcccttgaa aaccttgaaa attaggattg 215160 tctggtcctt gagaggggca aattggaaac ctaactccta actcttgtaa ttgctctaag 215220 atotoaaato otootootog atottoatot agaggacott gtotgaaaaa gacttgoggo 215280 catattgtag gattttgtgg agtaaaatga gaatagatat aacgaacact agggaataga 215340 gtcagtcttc cagatgtatt gttaggaagg gcttcagggt tttcttgtgt gatcccatca 215400 ataaataggt gctgtaacat gaattttaaa agctacgctt tcctacagaa tttatgtaag 215460 ttcctgtccg cagattttgt acattctgta taacacgttt atctgccttg ctgcaaaaat 215520 ccatagtaga gttaagatac teegtaggee aggaaacega atetaaatta atgteateag 215580 caagttgttc aagatctaaa gaaaagcgaa tgccgtgact tgaaattata atctgacggt 215640 attttgcagg tacacagaaa aaagagggtt ttgtagttcg aagagccgct tcaacttnta 215700 gaggatttga teccataget tgtagatttt tttgggatae tggaaccaat gttgttaatt 215760 tataatgaga cgccgtgtnt cctgaacgac caggaatagg cacatactga ggagctcttt 215820 ctaaaatntt agatacaagt aagtgattag catatttagc atgtagaaaa tagtgtaggg 215880. ctaaagcgat taaaatcaga gggaagatta agaaggataa aatctttaat attttcacta 215940 ttgtggagat ccgaacgttt tctacttttc caataattaa gttaggttct tgcataacta 216000 tagatacaac cttgattcta ttcccgccta agaaaagata agaatctacc tttgacataa 216060 gctgaaatat ccaaggtgta tctacatctg aagagatgct ataaagtttc ataattcgaa 216120 aaggcgattg tatattgtat aaagtgtaaa caaattataa aatgtatatc gatcattcat 216180 acccctacac cagegacacc tetttgcacg gagggggaaa tttttccagg tettgtagat 216240 totgoaatto agaatgatot ogagagatta otoacagtaa agaaaagaco tgatatoato 216300 cgggagtatt tgcgagcagg aggtagtctt gttacaacat accctaagga aggtcagaga 216360 ttgcgctccc cagaacagtt aagagttctg gatgatttag tgcaaagcta tccaaatcac 216420 ctacatgcga ttgaacttga ttgtggtgca atccctcaag atttgatcgg agccacctat 216480 atcatcacgt tcgccgattt ttccacctat attctctctt taagaagcta ccaagccaat 216540 216600 tctccctccg atgatacatg ggggatttgg tttggatcta ttgacgatcc tgttcaagca gtcatatcat ttttaaaaga tcatggattt gctcttccct cgaccttagc tcaagatcct 216660 216720 ttgctttgta ctaacaagta atttattaag tgaaataaat aatataaatt aaaaatttat cgcttaattg tgttttaaat gtatttatat taaaataatt ttttctttt taaaacagct 216780 tatgactaga agtactattg aaagcagtga ttcgctatgc tcaaggtctt tttctcaaaa 216840 attaaqtqtc cagacattaa aaaatctctg tgaaagtaga ttaatgaaga tcacttctct 216900 tgtgattgct ttcctaactc taattgtggg gggtgctctt atagctttag caggaggggg 216960 ggttctttct ttccctcttg ggctaatctt aggaagcgta ctcgttttgt tttcttctat 217020 ctatttagtc tcttgttgta aattttttac tttaaaagag atgacaatga cctgtagtgt 217080 217140 caaatctaaa atcaatatat ggtttgaaaa gcaacgaaac aaagacatcg aaaaggcatt agagaatcca gatctctnng gagaaataa gagaaatgtt ggaaatcgtt cggcaagaaa 217200 tcaactagaa atgatcttac acgagactga cggaattatt ttgaaaagat atatgaaagg 217260 217320 agctaaaatg tacttttatt tatgaattgg gttccaaaaa caatagacca tgtagatcca 217380 gaatcagaga tagatatacg taaagtcgtc tcctgctata agttgataaa agaatgtcaa cctgaatttc gatctcttat aagtgaatta ctaggagtga ttcggtgtgg cttaagacta 217440 217500 ttaaaacgtt ctaagtatca agaacaggct agaactgtat ctgatgaaga tgcacctctt 217560 ttetgeetga etegttetta ttateaagat ggttatetea egecattaag ageaggaeet cgtgatctta taaatcacta tatacacttg cgtcgccgag agaatcctaa gcattttttc 217620 agtectaage atceatgtta ttatgetega ttggetttta atgagteagt gtgtgtetat 217680 agagaactct ttgatataga gcgacttaca aaaatgtatg tcgagggtga ttattctaaa 217740 gaacaagaga aaaacctaca ggctattctt agttttgtga aaactctaga tgaaggaaag 217800 217860 gactttctta ttgaacataa agataccgat ctcattggga gaggttttac tgatgtgttc 217920 tgcacttaaa tcaatgaaat tgtctcaaac aatataataa aagcgattet attatgtetg aaagtattaa cagaagcatt catttagaag cctctacacc attttttata aaattaacga 217980 atctctgtga aagtagatta gttaagatca cttctcttgt tatttctcta ttagctttag 218040 tgggtgcggg agtcactctt gtggttttat ttgtagctgg gatccttcct ttacttcctg 218100 tactcatctt agaaattatt ttaataaccg teettgtett gettttttgt ttggtattgg 218160

aaccttattt aatagaaaaa cctagtaaaa taaaggaact acctaaagta gacgagctat ctgtagtaga aacggacagt actctttaaa attatattta atgtataggg ctaatcggag 218220 tacgcatttg aatatcagag caattactaa aggaattatg agcaggtaag ataggatett 218280 cagtgtacag tgtacagttc atagagcctg gcttgaattt cctatcttta gcactcaatt 218340 cttccacagt gattccttga tcctgtttgc ttaggaagac tatttgagac tgtcccagat 218400 caaaataaga atctacggtt gcagctaaac gttctaagcc gtaattctcg ctatttaaaa 218460 aaggtttagc aagaaggatg gtagggcaaa aagggagcat aaaaaatcct cttgggaaat 218520 gcgaccacaa attttacatc atctgttcta ttaatgctat ttctatttta cgaattcatg 218580. caacataata acaattatca gactttatat ggagatccta gtagactatc gtaaggctta 218640 agaacaaaat atateggege caceteteee aataaaagtg gtgtetttat gtgtagcaag 218700 . aaagtegtea aageegteet teteatetaa aatttgeaca aaaetaagaa tegaetttag 218760 gttgtcttcg ttttgctgct cataatcacc cgcgccatac atttgtttaa gttccgctgt 218820 gttaaagagt tttcgataga tacgcactga ctcattaaag gccaatcgag catagtaaca 218880 4 tggatgccca ggattaaaaa aatgctcagg attctcacgc cgacgtaagt ttatatagct 218940 ctatttataa tataacgcgg tcctgctcgt agtggtgtaa gatagccatc tcgataataa 219000 gaatgagteg ggcagaaaag aggtgcatet ttatgggata cagttttage tegetettga 219060 tacctagaac aacggettaa taaccetaag ecaetetgea tegetettag taatteaett 219120 ataagagatc gaaattcagg tttacatgct ttaattaact tataacagga gatgactgta 219180 cgtatagagt cttctgatac tggatctaca tcgtccattg tttttggaac ccagttcata 219240 aataaaagta catctagatt ceteteatag atetttttea aaacatttee ateacaateg 219300 cgtaaagtet ettttaettg aettettgea gagegattat tgtetteege eetatttet 219360 ccaaagaget caggatttte egtageettt teaagatett tatttegttg ettttgaaae 219420 cattggtgga tttgagagtc ggtattgtag acaaccccta gctcttttat agggcagaat 219480 ttatatgaaa aaagtaagaa taaagcacaa agcacaacga gcacaattcc caagactaac 219540 caaggaagaa aagaaagaat geetgeteea getaaageeg tgagagtaat teecceaact 219600 aaagctaaca aagcgataac aaaagaagtt atcttcacta atctactttc acacagattt 219660 cttaatgget gggtatttaa ttccataact aatggttgtg aacactetga accaacattt 219720 ttcatgttat tttctccgat agtgaattct atatgaaaag attaacactg tactttcaaa 219780 219840 gaatettgta aaataactaa gaaaaagtat eggtatgagt eacagateaa aaagagatat 219900 ttgtcatagc atgttttata agaaattctt ttctgtgatt ttcttatcta agctagacag 219960 gtctttcctc ttgtttccaa caaaaagtcg agttatttta tatttaagct acgttaaaag 220020 gcaatettaa ateateatat caaaaattta atgagacace eteecetteg agetetett 220080 tottoccatc gactotottg aaagottott ototggagao gotttttttt aacattactg 220140 ctttagaata gaaataaagt aagaagaaaa gctataagtc ttaggaactt ataaaaaata 220200 aaaaggaaat ttagtgggtc gtatctatag tttttctcct ggaacttatc ctaactggca 220260 agtaactett atgggtaaac tagatggetg ttttegttta agagacgaga aagtcacteg 220320 ggttatctcg atcaatccct ctggatttac cttagctgac gaaaaaatag tccgggtctc 220380 tatgcettet ccagcatgag etgcacaacc aaaccetgag teataagcat ttetatatee 220440 220500 agaagetaat egettaggae aggeteeggg egeagattet gateetgegg attgtateee 220560 tacaaataga ccaggaaatg tagaatcaac ctcttggagc cattgaacag cttcttgggc aggttettgt gtgtttattt gtggageaaa tgttttattg aageagttta aaaategtaa 220620 agtaateeeg tgttttgaaa aegtttgega ageaegatae aagatttgat aaaaetteat 220680 acgcgcgtgc ttttcaggta atgaaggata caaaacatgg gcaaggcgga tattttgttg 220740 tacttcagta tacacgatag tatcgtccag acattgctgg agatagttat tgaaaatgag 220800 aagaaggtct tetteatttt ggatteetee aggaggaaag egatgteett gtaetgtage 220860 catcacteta teaaagetat taaaategta atttaagata ttatattgta atacaettaa 220920 atccggatcc ttttcgtgac agatatcttg aaagtttcgg aaaatattgg agtattgttt 220980 221040 atgaggattc ttaggagaaa gtaatcgatg attggtccaa gaattataag accattttaa gaacccattt ttcacaccta aaatccaagc taattgaggt gttatggtcc caggaaggtg 221100 tacatggata tetgetttgg ggaggttttt gatgataget teggtgeaag egattgtatt 221160 221220 gagtegtggt actaatgcaa agateteatt geatatetta tgtacagaat etteettte aagattettg aataaegtat cataagaeat agaaagaaeg aaegetataa etgtgeaagt 221280 221340 gttatacttt tctcctctaa tgatatgatt tttacgaaca ttctaatgat gttactaaat 221400 aacgagtett tgatttaece ctatggtgge tatteecatt ctatagttge tggtggettg 221460 tcagaaatat catagaccac tcggcttacc tcgggtattt cattaataat tcgcgatgag 221520 caagaactga gaacatcgca tggaaggtag gcccatcgtc ctgtcatgaa atctgtagat 221580 tctacagcac gtaatgctat ggtataacca tagcttctac aatctccttt tacagatact 221640 gattttatag gaagaaatag agcaaagget tggettattt tategtagag ttttgettte ctaagetett ctataaagat gaggteegee egtegtaaaa tggetagata tteaggaagg 221700 221760 atctctccaa tcacacgaat tgtcaagcca ggtccaggaa aaggatgcct gtccaagaga tagctagaaa gtcctagggc ttctcctaaa attcgaactt catctttaaa taaataacgt 221820 aagggetega etaaetteag ettaagattt tttggaagee eeeetaeatt atgatgtgat 221880 221940 tttattactt cggaggcatg tccagagcgt gaggactcaa taacatctga gtagatggtt 222000

ccttgagcta accattgtac gtctaatgac tgagcgactt catcaaatac ttcaataacg gtatettgaa ttttaettae aaggtettge tgaatataea agggatteea tagtgtggga 222060 gcagaacaga tetettgaac aaaagtttet agaatettat tteeegttgg agtggagtea 222120 gaaacctcgg gatgaaattg cagcccgtac aaccgttgtt tggtattttc tattcctgag 222180 atcgagcatt gtgaggtgga tgcgattaca ttaaatcctt caggaattgt cgtaacatga 222240 tecegatgge teateegaat etetgtgtet agagattege agtegaegat gtgtttgaag 222300 agctcacaag gatacagatg gatgggcgta tatccaaatt ctcctacacc agggcttaca 222360 gtccctccaa aatctctagc cataagctgc atgccatagc aaatagctag aattggaatg 222420 ccaagtttat agatttcagg atctaaatgt ggagccttgt tttcatagac agagtgagga 222480 cetectgaga gaatgateee caaaggeget etttettta aacattgeae agagatatte 222540 cagggaagaa cttcgcaata tacaaataac ttccgcactt gctttgctaa tacataagta 222600 tattgagatc caaaatctag aataaatatg gtgttcaaat gtctccttgc actctgcaac 222660 ttaataattt aaggttggtt gaactttgta aatattatga atatgacttt cagctcttcc 222720 agattcagta attcgaacaa aggaagcctt agtttttaaa tctttgagag tttcagctcc 222780 aacatacccc atacctgage gtattcctcc taaaatttga tagaggacat cgtggacaga 222840 geetttataa gegaetagte etteaaetee eeeaggaace agettttet gteeetgtgt 222900 ttgaaaatac cggtcagcac ttccttgttt catagcgcct aaagatccca tgccgcggta 222960 ccttttaaaa agcttctcat cgatagaaac gatatcccca ggagcttcat cagtccctgc 223020 aagcaaactt cetagcatga cacagtetge teetgetget aatgetttta ceacatetee 223080 agaatagegg atteteccat cageaattae agteaeggea gagtttttaa gagettttge 223140 tacgtttgta atggcagtaa tttgtggata accgacccct gaaacgattc tagttgtaca 223200 gatagatect gggccaatac ctacetttac agegtcaact ccaatetcag ctaaggaaac 223260 tgcggcttca gctgtaacaa gattccctac aactaaagaa atttgtggga actgggattt 223320 tatttctaaa actgtttgga atactccttt agagtgtgca tgagctgtgt caatgactag 223380 aacatttgct ccagcttcca caagatgatg cgctcttgaa attcctaaag gaccaatgcc 223440 tatagegget cetatgggag ettaaggata ggettettta attttetea eagatgaget 223500 ttgttctact tcgctcatat ttttatgtaa gattcccaaa ccaccttctt gagctaaagc 223560 tagtgccatg gctgtttctg tgacagaatc catagcagct gaaagaatcg gtatatttag 223620 agagagggtt tttgaaatgg ccgttttcaa ggacacttca gaaggaagta tttcagaata 223680 ttgggggatt aaaagaacat catcaaaagt taaggcttct tccatgtatg ctacaatagg 223740 acactttaaa ggatagtcaa tgatcccctg ctatactgtc aatgcttttt tcatgattcg 223800 tgacattcct tcgaatctta agaagaaatt tctttggaac agaagtttct tcttccgtgt 223860 ttaggcttct tattgaactt atagcttaga aaagattgaa ggaaggaaag ataagactat 223920 attgattete ttgtettaag atatacgaeg acageaetee etatteetae actegataat 223980 aagtagaacc aatactataa gagataagat cccaaataca agtgaagctg tttctccaga 224040 agttccataa acagaaaaac aaatgatgat gctaagtagg gataaaaaga taaagagaca 224100 togggaacag taatgacaac aattogatac caaagttttt gcatctatat cotogattgg 224160 ggaggggctc gttgattcaa cgaatctatc cggaaatacg ctaaagtcca taaaaccttg 224220 ttgatgtttg taagaatcta ttttgtagat gagatcgaaa atcgtctaac gatctgattc 224280 ttctcaatac tttatttgcc tggaatcata aaaccctcaa cctcttcgat gtcgttgtgt 224340 224400 ggcgcaatct attgcaaatc acgaaaatac ttgattgagg gcttcggaga aatttgaagg ggtgatgcac aataggtgcc agttcttgcg ttttttaaaa aatttttata tggtttgtgg 224460 agaaaattgt tatactatca atgattatga ctactatatc taactcaccc tcccctgcat 224520 tgaatcccga actttccctt attcctccac caacacttgt atcttcaggt acgcaaacat 224580 ctctagctta tacgatcccc gcacaaggac gaagatccac cctacgtatt atattagata 224640 tattcattat cattcttggt ttagctacga tcatttctac ctttattgtt attttctttt 224700 224760 taaatgggct gaacttgctc tcgaccccat ctattatctc ttcgtcatgt ttaatcattg ttggattgct ttttttgatt atggggttat atttcatgat ctcgagtttg gatcaggggc 224820 ttgtaggeet tetgcaaaag gaactetete aageegaaga aagagaagaa gagtatatee 224880 aggaaatcga agctttaaga ggagctccta gagcagaatc tcccacagag tctcctagta 224940 225000 cctggttatg atttacaggt atgaagttct tattttctaa aatttgtcag cagtttttct tttataagaa tactttttaa ttcttgtatt taaattcctt acgacaaaag ggtgaaaaac 225060 gtcttgtaga acattctage tretattage etgttteeaa tttttattaa ggagaegega 225120 225180 tatggagcaa cccaattgtg tgattcagga tactacaact gttttgtatg ccttaaatag ctttgateet agaettagtg atgacaetea cagaettggg aageaateae etettgaage 225240 225300 agaaaatgct cttggagaat ttattgaagg tttggataca aatagctttc ctttagagga 225360 agttgccatt cccatcctgc caggttatca ccctaagttt tatttatctt tcatagatag ggacgatcaa ggtgtccact atgaagtttt agatggcgta tttttaaaga cagtcgctgc 225420 ttgtattata gagaacteet tettaactga ttetatgage eeggagette teagegaagt 225480 taaggaaget etgaaaegat gatgateeta tggatgaate egatggagaa gaagetteaa 225540 225600 aagattetge atttteaget agttttteet atgagtttgt aaaateaagt actegagaat 225660 ctaaaaatac agtcacacac tcaacagcgt ctcgtacatt atatatttta aggcaggatt gttcttatga tccaagagct ctcaaagtag atgatgaatt tcgttattgg gtagaaaaaa 225720 225780 ggttggacgc caagaatcca gattcattaa atgcgttcgt taaagaggta ggaactcatt 225840

## PCT/IB98/01890

atgtcgcgtc agtgacttac ggtggcattg gttttcaagt gctaaagatg tcttatctcc aagtcgagga gttagagaaa gaaaaaatct cgatatctgt agctgcagca agttctttat 225900 taaaaagtaa aacatcgaac gcgacagaga aaggttattc ttcgtatcag tcggaatcat 225960 cageteaaac agtatttett ggtggaacag tattacetga tetecageaa gacaagttgg 226020 atttcaaaga ttggtctgaa agcattccta atgagcccat tcctctagct attagtgtat 226080 cttcaattac agatctcata attccagaac ttttcccttc tgaagatgct caagtcttat 226140 cccagaagaa atcagctcta ggacaagtta ttcttaatta tctagagagt cacaagccta 226200 aagaagaagg cccaaaacca gtccaaatta cttctggatt caattcatcg tcttcggtat 226260 ttacgettea ageageaaaa geteetaaga etgtgtettt eeeetatata gattattggt 226320 ctacaattee ctatettte eccaetetta aagaaaette aggtgeteaa eetetetegt 226380 tctacttgag gtttgatgac atctttgagc aacaaaattt agtccataat acttcatata 226440 ttttagcttc aacctcggtg aggttaggat atttcggaga ttcatataga gattatgatg 226500 ctctatcttt ctatggtagt tggcctcaag catattttga ctgggcaggc tataaagata 226560 ggtgtacttg gaccttagaa aaactcaata caactggaga tettttcate cgttetggag 226620 acgagatacg tttaaaacac aatacctctg ggaaatatct tgctacaacg agcatgtctg 226680 atggctatca gacattaact tgtacgacac agacgagtga ttctgtcttt ataattactg 226740 tataaataga gttaagacat ccccttaagt tttaagggga tgtcttattt gctttctaga 226800 gaactcatct ctaagtaaac ttctttctt agggctgagg aggaactttc ttatagcttt 226860 catgaacaca gagtatagaa gttccgtttg ctaaaaacgt gcttctgagg tagtcctctg 226920 caaaggaatc tccaaaagca ttcagagaat cagaggaaga aacgctttcc cagactaaag 226980 aatagtaccc ttttacaggt aggacctctt ttgagcaagc actctcatct gcaatccagg 227040 cataagcaat gacaaaagga ttcccctgag gatacgagca cacttcaacg ggatacaggc 227100 tataaacacc ttctcgcctt ctagctatta caaagtcttc ttctgtcatc tcaaggccta 227160 tagcattaca gcgtcgtccc gaagatttaa tgagattcag tacagctcga tttttcggac 227220 catcgtgaga agttctacgg cgacttccgt tttttaagta ctttcctgtg tctatattaa 227280 aagaacgctc gtatccattt atccaaatag gatgtggacg atacgttttt aatgtaagag 227340 ctgctgattt tgggtgcatc agacttccat aagtcgatat gggaatgtaa gaacctttga 227400 ttttgagatt tttatggatt tctctccaaa ttttacgaga ctcttcatca gtcttagcta 227460. cgacataagg atcattgtgc tcttcagaaa agatttgagt cgtacgaaat gcagaaggat 227520 aatgaggcag ttgcgaaaca ctcttatttc catgaacaaa gaattcttcg ctcgttgaag 227580 tgttgtgata attccaagag ggcttttgat tacaggagga aagagatcca agacctaatc 227640 ctaaacatac acttgaaaag ataagagaca tgggctgttt catggattcc tcggagatta 227700 agaaaatgaa ttttgatnng tttgctctct tttgtcctac ttaaaggagc ttttcaacaa 227760 cgtttcggtc tgaaattttg ctaaacaaga ccctgccgtt accctagctt gtcccagctt 227820 ctctagcata atttgaaaat tgtaaaggaa atatatgaaa aaaggaatac gaaacccacc 227880 ctatctaagg nattettaat tetgaaegta tagtateeag aactaagaat tetetatett 227940 aggaagteta taatgaaage acceegagat tegggagaga acttttgtta gtgeatgeet 228000 tgaacagttt agtccaagta cacccacact tctctttctc tgttttcata acctgtgata 228060 atgcctagcg cgagcagttg ttttaaaatg ctctcaccta aacaaagctt accatgccca 228120 ggttcggtct taccagctat atggaaaagc tgacctgtag ttgttttagc atctatagat 228180 tetectecaa atttetgaga gacegtacag tgaegttttg tttgaggate tetttcaaca 228240 ttccgttgca ctagaaaatc taagtattct ttcactcaaa tctaacttct cctcataaga 228300 aaggttaggt ttgccttcaa agatgcatag gagccggaga gatctaaaag caataactca 228360 acttagtgaa aattaaggag gacatgaact ttctgtcttt cttaagagat cttggcaact 228420 tagcgatcaa tccctttaag aagtgatgag gtactacctt taaaatcttt cgcactaacg 228480 eggettgetg gttgtgttgt getteaaggt ettgtteatt aaagaaceet atagatteaa 228540 aaatacagga atagttagga gtttttgcgt catttacatt taagaggatc gcttttttc 228600 ctggaatgat tccagagegg cetgettgca aagtaaaatt aaagaaatta gcaacacatg 228660 cttttgatgg acgcgagett cttcctgatt tgtggaatga tttacgaagt cttctgttaa 228720 actttggaac tgaggttgct tcaattctag tttcgaaatg agtatcccag atcttaggtc 228780 aagcccaaca acccttggaa cctcaatatt tcgaatttta cacgctgcaa gtaggtttct 228840 tgcatgtgtt ctacgtacca tagcctctac aagaacatta tctagaggat tagataagcc 228900 attcatctca ttgttttttg aagatacaaa tgtaaagcgg agattcggat aattatctac 228960 acaaaaagta aatacggaat aatgattagt atgataaaca tctaataaac agattttctt 229020 agectegaga atetgattag ecegageagg atggeaatee gettgattaa aataggeate 229080 acgtacttcc ctctgagcgt gcaatatctg agaaggatac gtttcagacg ccacggtatt 229140 ctggataaag actggcttat acttacaatc cagaatctta tgtaaagacg tctaacacaa 229200 taaatctccc tagaaatatc gtctctagct agaacatctg ttgtatcccc tccccaatag 229260 aaataagagt cgagggettg cacagetttt tetaaaetge taggttttte atgatgagaa 229320 tttaaagaat aattattata aaatagcttc ataaattttt taaaaaaata ataaacgccg 229380 tctattttaa acaattcatg cacttattaa gaagctatta attcaacaac agcttaataa 229440 atttaaaaat catctttta taaagaaata tttatataaa aataattctt agaccattgt 229500 aaatttaatt agaaaagcct ccgagcttca agagccctaa ggaagattct taaattattt 229560 agaattèttt aaaaaaagaa tttccttgag caagtaggtt atcgatatag ttaatatcgt 229620 229680

adttagattc tagaaacttc ggattatcca acataaactg gtggaaaggt attgtagact 229740 gcacaccacc gatatgaaac tettteaaag etegttteat gatagetata gettettete 229800 ggtttttgcc cttagcaatt acctttgcta tcatagaatc ataataagga gggattgcat 229860 agccgctata acaagctcca tctacacgaa ttgaaggacc tgcaggagga agataataat 229920 ctaaacgacc tggagatggt gagaaattat tggtaggatc ctcagcgtta atgcgacatt 229980 ggatgatatg acccgagaac tcaatgttct tttgtttcca aggcagctta tttcccatgg 230040 ctacatgaat ctgttctttt acaagatcta tacctgtgac ttcttcagta atggtatgct 230100 ctacctgaat tegggtatte atttecataa agtagaattt tttgtettta tetaataaga 230160 attegactgt tecaacagaa aaatateegg egettettge tagatetaca geaactttte 230220 ctactttgac teggatttee geattgagaa tgggactagg agtetettea ateaactttt 230280 gacgtcgccg ttgaatggtg cagtctcttt ctcctaaatg cacataattt ccatgggtat 230340 ccccaatgac ttggatttct aaatgccttg gattttctat aaacttttca atataaacat 230400 tggggttatt aaaaccggct tcggcttctg cacgtgcggc agaaaacgct ctatagaatt 230460 cgtccttttc tttaacaata cgaattcctc ttcccccacc tccagcaacg gctttaataa 230520 caatagggaa acctattttt tcagctattt ttaaaccttc gctctcgtct tcaataatgc 230580 cttcagaacc tggaataaca ggacatttga ttttctttgc cagggacttc gcagcaatct 230640 tatececcat catageaata gactetgaac teggeeetat aaaggttaag ceacagetet 230700 cgcatattga agcaaagttt gcgttttcac ttaaaaaccc atatccagga tgcacagcat 230760 cagctcctgt gatctcacag gcagccaaga tattggatat ctttaaataa gactttgctg 230820 cttgaggctc tccaatacaa atagcctcgt cagcaagaag tacgtggaga gcctcttgat 230880 ctgctaaaga atatacagcc actgtcgaca atcctaaatc atgacaggca cgtataattc 230940 taacagcaat ttcccctcta ttagcgatta agactttttt catgatgcat ctttagctat 231000 acgaaacaac ttagacccaa attggacagg atccccattg gtaatcaata cttcaagaac 231060 acgeceaete attectgett teaetteatt eattaettte atageeteaa egatacaaae 231120 aatagtatet teegaaacaa tategeeagg ttttacaaaa gaaggagaat etggggetgg 231180 agaaccatag aaagttccca ctaaaggaga acttataaag tctccggaac ttgttgtagt 231240 agaagtttct gaattttctg tagtagtctc tttaattgta tcttttttag ggtccgttgg 231300 gataggtcgt tettgagaaa atecaetaaa taaeetgetg teataaaaea caggetettg 231360 totattcccc tecetagtat etetttecaa etecaattea ageeetteae gttttatage 231420 aaaacgcttc ataccattgc gtcccatagc aatcatgagc ttttctattt gttttaagtc 231480 cataccaagt cttctttaat tgaaattaga cgcgttgaat atactcacaa gtccgcgtat 231540 ctatttttat aacatcacca atttctacaa aaggtgggac cataacttca attcctgttt 231600 ccagcaaagc tttcttaact cctccggaaa gagagagaga atctccagga aagtctgttt 231660 ttgataccat aagctctaga aaatgaggca gctctacaga aaaaaccaca ttgtcataga 231720 ccattgcaga gacagtcaca cctgccttta aaaacaaaaa gttatccttc atgatttctt 231780 gtggaatgaa taacttttca taatttccta aatctaaaaa aagataactt tcatcttcaa 231840 gatataaata ttctaaagtg cgggtttcaa attgagcctc ttttacctct tgagttgctt 231900 tgaaatttet etcaataaca acatcagaat cegcageetg caaagegaet ttaatgaagg 231960 attcgccttt gggccctgcc accttagaca ctgaggttac tttataaaga ccgtcctttg 232020 tagaaataaa catccctacg gataattggc tacttaacac cataattttc tcctcgcagc 232080 aacaaaattt tatcttccat tgctaatgaa tctgcttcga ataagtaaga agctgtgact 232140 aaaatatetg eteetgeate tegacataae ggegeagatt getgatetat geeteeatet 232200 acttctatta aacaagaatc ctttaaacct aaagtcttta tcgcatgacg tgcaaaagca 232260 atcttttcta ttgtatttgg taaaaagctc tgtcctgtaa atcccggata aactgacatt 232320 agcacaacga catcacaaaa cggaaggaaa gaaggaagaa attcgattga agtatcggga 232380 gaaaaagcta gacccgcttg aaccccacat ttttttatat aagatagaag ctcttttata 232440 tcctctgaag cttcaaagtg tactataatt ctatccgcac cagaacgaac gaaactttct 232500 ataaattcaa aaggattgta aatcatagcg tggacttcta aaaatagatc cgtagatcta 232560 ttaatggcag caatgatccc tggaccaaaa gtaaggttcg gaacaaagtg gccatccatg 232620 atatctatgt gtataaaatc acttcccgcc tgctctagtt tttttgcttc tacacccaaa 232680 caggtaagat ctgccccat aatcgaaggg ccaactaata cggattcctg tttcttcacc 232740 tcagcctatc tcaacttcac tacgctaaat ttaaagtaga gtgagcttta actttctact 232800 atttatattt actggttgat gtattcatga actcctactc attgtatgaa tagaaaatga 232860 atacggacta ctaccataat acagaacgaa tatatttcaa agaaccattg aacatttctt 232920 attaaaaatt cttttcttt tatacaaaaa tcccaagatt aatctttctg tttcactaat 232980 gaaaatgcat ttggagataa ggattatgat atagcaaata tattgtgatt ctaacctcct 233040 ataccttcat caaacatcaa attagtgaaa taaagatgat taaatatatt ttggatcctc 233100 agcaagaaag gtataaattt cttgattttt agatcgagaa aaacaacaat tcttatccaa 233160 gttaacctat taaggataaa attettatgt cateteetgt aaataacaca ceetcagcac 233220 caaacattcc aataccageg cccaegacte caggtattcc tacaacaaaa cctegtteta 233280 gtttcattga aaaggttatc attgtagcta agtacatact atttgcaatt gcagccacat 233340 caggagcact cggaacaatt ctaggtctat ctggagcgct aaccccagga ataggtattg 233400 cccttcttgt tatcttcttt gtttctatgg tgcttttagg tttaatcctt aaagattcta 233460 taagtggagg agaagaacgc aggctcagag aagaggtctc tcgatttaca agtgagaatc 233520

PC	T/IB98/01890
adoggoogac agreataace agains	
aagatcaact tacacttgaa atcyaagcat ttagaaatga aaacggtaat ttaaaaacaa ctgctgagga cttagaagag caggtttcta aacttaggga aaacggtaat ttaaaaacaa	233580
ctgctgagga cttagaagag caggtttcta aacttagcga acaattagaa gcactagagc	233640
agaaattaat aaggggttgg gattaraas assaugetta agaaatteg tetgaactaa	233760
cattgaaagt gttattgggt gaaraatagt tctattgaag	222020
tgcaagagca aattcaagca ttgcaagaggc ccaaacacac gttaaagcaa	222000
Cattgcaaaa gtcagttgag antattcagg adtgcacaat caatctacag	222040
gtgagttgtt agagtctgag angagagtagtag	234000
tagaaaagtt ggccaacat gaaagaaa	234060
aagagcaaaa tttggcagag caggtcacag cccttgaaaa aatgaaacaa gaagctcaga aggctgagtc cgagttcatt gcttgtgtac gtgatcgaac tttgatgc gaagctcaga	234120
aggetgagte egagtteatt gettgtgtae gtgategaae ttteggaegt egtgaaacae etecaceaae aacacetgta gttgaaggtg atgaaggtes aggetgaegt egtgaaacae	234180
ctccaccaac aacacctgta gttgaaggtg atgaaagtca agaagaagac gaaggaggta ctcccccagt atcacaacca tcttcacccg tagataggag agaagaagac gaaggaggta	234240
ctccccagt atcacaacca tettcacccg tagatagage aacaggagat ggtcagtaat	234300
ctgccgtaaa gtcttcaaag acttccttag aaaataagca gtaaagttt aactttactg	234360
cttattnttt tttgaaatga actcactcat taaagatatt tgcaacaaat tttcctgcgt	234420
cttatgcttg ttcttttagg attgagtttt tctcacttac actagaaccc tacctatgca ttcaaaattt ctttctcgaa gaaaaaaaaa tagttctcat aanaaccc tacctatgca	234480
tigtataged teaagitaca atanana tugteeteat daggaggaaa eetettagga	234540 234600
aactateett ceceaactee tagattaattaaaga	234660
tattggctgc ggtcaaggtt tttta	234720
Catagatate tettetagat tenttaga	234780
tcagtttaag gttgcagatc ttaggarant agcdadgada atgcgatcgg taaactctca	234840
tcatgcagta gcaatcotot coottant	234900
tacagetacg etectegaac caetegggca attittata gittiaaace ateetigitt	234960
tegtatteet agggeateat eetggeacta tgatgaaaat aaaaaaaget atetetegte atatagateg ttatetetee eeaatgaaga teesaatga	235020
atatagateg tratetetee ceaatgaaaa teecaateat ggeteacea ggacaaaaag	235080
attegeette taccetetee titeactite etetaageta tiggiteaaa gaacigtett	235140
ctcatggatt cttagtttca ggtcttgagg aatggacatc ttcaaaaacc tcaacaggaa aacgagctaa ggcagaaaac ctttgtcgaa aggaatttaa	235200
aacgagctaa ggcagaaaac ctttgtcgaa aggaatttcc attattcctt atgatttcat	235260
gcattaagat aaaataaatt tttaattatt taattaggtt ttttattaga ataaataa	235320 235380
tcagaagcaa cgtcttcgaa acaatagaa abtcctcccg ttttctaaaa aaaaaacagg	235440
cttactacat aacqaagett ccaaracat tectgeaageg atcattcaat caataaaagt	235500
ttgtgttcct atttagrat totttata	235560
ttggaaagaa tggttgatta tcaaattccc agattataaa aagccaatcg tagctattgt	235620
ggaageegea tateatgeta cagaaageaa tataggatta gteetagttg tagetattgt tgttttetgt fgggetggea ttttaatget ettatetaa	235680
tgttttctgt tgggctggca ttttaatgct cttatctcta gaagatggcc taaataagat cttccgcacc agctggactc caatatcttt aaagaggtta ttt	235740
cttccgcacc agctggactc caatatcttt aaagaggtta gtctcttatt ttgtgattac	235800
cttagtgagt cccatgattt ttattatcgt ctgtggttcc tggatttata ttacacagat catgcctatc caatacgcta agttgtttc tctcagggat best	235860
catgoctate caatacgeta agttgtttte teteagecat tecatgacag cattgtactt	235920 235980
tatttctagg tttgtcccct acctgctgct ctacctagct ctattttgct gttatgcttt tcttcctcgc gttgcaatcc aaaaaacatc aggtcttata	236040
tgtatggata gtctttcaaa agggattatt dgtttttatc tctacgctaa tcataggatc	236100
Cttcacttat ggcgcctcg taggers	236160
aatgatetae ctatteggag gagaget tetatteett eteetgetat atatetatae	236220
catatttett ggggacaaaa teetgeecag etgttattta caacteatta cetcaacata tattetaget ttgacaacac gtcagttcaa tgaaggeeta taacteatta cetcaacata	236280
tattctaget ttgacaacac gtcagttcaa tgaaggcete teceetttaa etgetcaatt	236340
categecaaa caategaaag tacetattgg tgaggtetet caatgtetaa etgeteaatt aaaagaaggt tttetttte ettataacaa tgggtaceag catetattaga	236400
aaaagaaggt tttcttttc cttataacaa tgggtaccag cctgtcttca atttctctga acttacaatc aaagatattg ctgacaaact cctgcatcgg	236460
acttacaatc aaagatattg ctgacaaact cctgcatcgg gaaatttca atttctctga tcccgacctt gggattactt tcatagaaaa cagcttccag acaatttca agaaattcaa	236520
tecegacett gggattaett teatagaaaa eagetteeag gaaatttea agaaatteaa taaaaataaa gagaatetta etettagega gattagtaga	236580
taaaaataaa gagaatctta ctcttagcga gattgctagg cgaatcaaat gaaacgaaga tcatggctta aaattttggg aatctgtta ggcaggagga thatcha	236640 236700
ttottgccc aactacttta parameter savaged ttgccttggg attccttata	236760
adagaatccg gactctcgtg that are gagadatacc tigigititic cctgattcat	236820
acagetagaa aaataaaagt gaataaa	236880
ttcgaactcg acquatctot attack gotdaayatg aggtctnttc tgctgagaaa	236940
Ctatcaggat ggtctttana achtact Ctgdtttata aaaagcctaa agggattact	237000
cacttagate caggatettt acttacetae etaaatgaet geaagattat ttetgaget ggatttatea etatgaagae agtateagga tetteattat etagaecae	237060
ggatttatca ctatgaagac agtatcagga tcttcattat ctgtatcagg gtnttatcta	237120
gaganatett cagaaaagtt catgacgaaa tgcgtggtet etgaagatea gcaateeggg aacatettta tagagagtgt acttteteet gatgtaggte the	237180
aacatettta tagagagtgt acttteteet gatgteagta ttteegetea getateetea gtteeegitg catttttaa aatttttata getteegete telegotea gttteetea	237240
gttcccgttg catttttaa aatttttata gcttcccctt tctgggacca tcttctct	237300 237360
	~2/300

						,0.010,0
tatgaagaca	taatcaatct	atcagcagag	gcaacacata	ccaatgatgg	taagatttct	237420
atgacagect	ctggcgaggg	aaatcaaatt	caaatgaagc	ttcaaggcca	tattcatasa	237480
ECCACALLE	atattgtaga	agggagttct	tegtteatag	aacttaaacc	trarctracc	237540
tcagetettt	gcaaccagat	cattccgctg	tccacaccca	ttactagtaa	gcaaatccan	237600
tgctacggtc	tettatgeta	aaattccctt	ggatattacg	aaatogaaac	atattossat	237660
tacctctcaa	gcacagetee	ctgaagtcgc	aatacat.ccg	aaagacccta	atcttgcatt	237 <b>7</b> 20
acagetgege	gacacaaagc	taggaattaa	aaagacggag	aaattntcag	acatecetta	237780
etecteatet	acagtettag	gaggagcttc	teceteteae	cttaatggtt	taàtcactat	237840
agataacaaa	aaacatctta	ctaaatttcg	tctacaacaa	gcacaactcc	cecacaceta	237900
tctaagagcc	attttccctc	aacctttcgt	gatcaatgtt	cccctggatg	ttacttatta	237960
ttcattaaat	atcgaaggga	cgtacaaaaa	tgctcactta	gaggcagatg	ctatectaga	238020
taacccgcta	ttgaaattgt	catgctccat	gtctggagca	tggaaaaatt	ttctttttaa	238080
agggcaagga	acgtaccact	ttaataaaaa	atggcaggag	attctctctc	cccacttctc	238140
ttacgctgaa	gctagattct	caggaaaagc	acaaattacc	gatacgaatc	tettttteec	238200
taaattttct	ggaaaaatta	ctgcaagaga	aaatgagetg-	ctcatccata	caaaatttoo	238260
ttcccctaat	gaacctataa	aacctgaaac	tacctctata	ctcatccaca	gacaattttg	238320
ttctctgcca	actcagccta	gtttctaatc	acctagcccc	cttccatttc	aagaaattga	238380
cattttcctt	ccatacggat	ggaggtaagt	ttgtaaccaa	aggaaacctc	caagetetta	238440
ttgagaatcc	agactatccc	gacctaaata	atacgcgtat	cctaatccct	gatettette	238500
tttctcttga	tgaatcctca	acttcacctt	cttcaaaaga	cttgaaaatc	cagggttete	238560
gagagatatt	ttctttgcct	ctggattcta	ttactaagac	ctatgggaaa	Caagtgcgtc	238620
tctctcctta	ttttggttcc	tctggagact	tgaactttgt	agtaaactac	aatcctaaad	238680
atcagaataa	gctcacacta	ctatctanct	ttaagtcaga	agetetecta	ggagaactga	238740
agttagtcat	ggacttttct	atgaagctat	cttcaggaac	tcagggaact	ctccagtaga	•
aagtgagccc	agaacgttat	gcaagtttct	ttaaaaacgc	atcatgetet	cccacctatt	238800 238860
tgcttcatag	aactgcaaat	gtacgcttag	acateteaaa	actotottat	CCadaddaaa	
ccaaaggttt	atcttgtctc	acgcttcttg	ccacagagga	cttgaaggtt	Cattagaaga	238920
aacaccgttg	atcttctatg	ataatgtgtc	taaagagact	tttattatta	atmactttan	238980
aggttctttg	cgagccaaca	atttagacgc	taaaatagaa	tatgatetta	aaggeteeta	239040
tctagctcct	aggcaagact	ctaaaactct	tgcagaattt	tcattacaac	aaggeeegeg	239100
tcatctgttc	tctccagagt	ctcgagaatt	taaacaaact	graaattgga	transatasa	239160
ctcttcgttc	attgctggaa	tcattcccat	gtctccagga	ttgaaaggt	agetetogto	239220
gcttgcaggc	cctagaatca	acgtatcaat	taaaaatgcg	ttccgatttg	agatattttt	239280
tgtcgacatt	atggtcgact	ctgaaaacct	tcaagctcag	attccactca	tettaaage	239340
aaagtccatc	ttactgagag	agaatctaac	agcgcacctt	actetactga	aagatataaa	239400
taaggettte	ctacaagagt	ttaatcccct	cttagcaggg	agtataaaty	aayatgtaaa	239460
agtaacctta	gagatcgata	aacaaaactt	ctatctccct	atacccccct	attattt	239520
agaattcccc	atccaatccg	caacattgga	tatqqqqaaa	atatgeeege	accettega	239580
aactatotat	gctcttttcc	aattccttga	tattacqqat	Casasagasat	thataanaba	239640
ttggttcact	ccaattttct	tttctgtaca	aaaagggtct	atcatttata	cigiagaatc	239700
coccttate	gatogtagaa	tccgccttgc	totatogogo	accattegea	agegeetega	239760
tcatctattt	atgaccttgg	gtatcgatcc	traarttatt	aaaactyata	tegeteatga	239820
ctctttaaaa	actaaaaaact	tcttccttat	aaaaatccc	aayaaatact	Ctcataacac	239880
agtggactgg	tetteagett	acgctagaat	castatatta	ggacccatet	cgtctcctga	239940
CCCGtttagt	agtettgeeg	ataagctatt	ctcttctct	aaaagctaca	gtcttgggaa	240000
aacagtacac	cccttccctt	gggaaaaatc	taattttaat	ggcgaeteta	ccccccacc	24.0060
tcaatataaa	aacttaacac	ttctttttaa	ttaattatta	tetatagaaa	ataaatagaa	240120
attaaattaa	ttattaggaa	taaaactcat	gagagagaga	ctataaatet	taaaaataaa	240180
tacaaaaaaa	raarccatca	gtaaagctat	gagaaaacgc	cactetteg	actcaacctc	240240
agaccettet	ttaaatotao	333CCCCCC	tananant	accaagatta	tggaaacaac	240300
Caaacaaatt	aaacaaaaa	aaacccccaa	tycagaaatc	gaaagcattc	tccaagaaat	240360
ctattataa	gaaacaaaagt	tatcgaaaca	agcagaagac	ctcggtcttt	tagaaaaata	240420
aggeagtata	atagaagaag	ctaatcttga	aaacactaac	gcatcgctca	agctttccat	240480
atcettagge	acagaagaac	tcgcttctct	caaacaactt	gtagaggaaa	gtattgaaga	240540
tettteetet	atamman-	aactcatcca	acctgtactt	attgagatct	ctgataagtt	240600
aggactcctct	arayyyyaga	ctctttctgg	aaatcttgat	atgaaccaga	acgtaattca	240660
gactotages	accaaagaaa	accctgaaaa	acctgaagca	gcttctgtag	gatatgtaca	240720
tgatgtacta	yaycctctaa	gtaaaaggat	cggcgagact	cataagaagg	tcgctactca	240780
taataatat	accidencet	tgcaatttca	tatgatgtca	gtggcaggag	gtaggttccg	240840
aratectarit	tatacaata	gctatcgcgt	tttaggattg	ggagagccta	aaaatggaga	240900
agttgscgcc	anggatt	atttagaacg	ttacgtaagc	tcgcagctca	ctatagacaa	240960
-s-cyaagac	adycccatta	caaagccaaa	raagggaaaa	ttactctatt	cccaagggac	241020
tacttact	natagged	ccttaccttt	agggcttctg	acatctggaa	tctcaggatt	241080
Caaccaggaaa	agrycaagca	aatctaacga	tggaagcttc	ccttttagtg	ctttaagaca	241140
gyadaca.	gageeggata	cagattgctt	ccagattact	tccacaacgc	tctcaggaaa	241200

ccaagcagga acctacacct agraction	11030/01030
tcaagcagga acctacacet ggteettate tttaaaagtg ttggtgeett caatetteea aategaaaaa ccagaagtee agetetetet tgtetaetet tatgaagaet ggetteetat egataatate tteaatatgt eteageetag gaccatagga	241260
cgataatatc ttcaatatct attention to the control of the control of the catalog and the catalog attention to the catalog attention to the catalog attention to the catalog attention to the catalog attention to the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalog at the catalo	241320
cgataatate tteaatatgt eteageetag gaceatacea etagetetee taggacaaac aatgettgea ggacaaaaat atgatateet aggacaaac	241380
aatgettgea ggacaaaaat atgatateet agagetegee geacateaaa caaaceaaac tetaatgatt ageeegaact gttetegatt etetaaaa e	241440
totaatgatt agoocgaact gttotogatt otototacaa ttaaaacaaa ctaatcagtt tgaaaactco cotgtogatt totatattgt coatgogat	
tgaaaactcc cctgtcgatt tctatattgt ccatgccgct cattcctgcc actggtcagg	241500
attetaaagt ateactacag etgetetage agetgtagte etattgagea gagtggatat	241560
atttcgataa tggatgacca gaatcgagct ctccgtcacg cttgtcatag acccccgcaa cagttccttg atctataaga tagatacgat ccaaaccaat cttgtcatag acccccgcaa	241620
cagtteettg atetataaga tagatacgat ecaaacaaet atgaacaaat tgeatgteat gagtagttaa ecetacagte agtteetggt etegaacaa	241680
gagtagttaa ccctacagte agtteetggt etegaagtgt ttetaaaaga tgteggaacg	241740
atgccgtage aaaaggatet aaagcegatg taggtteate aaaaagtaat gtatgtttat	241800
ccatacataa agaacgtaca atagccacac gttgtttttg tcccccagag agctggtcag	241860
gataattett ageaacetet teaatateea acaaatgtaa aagetegaae geettetee ggtactaega ecettgatat ggatttatega ataa	241920
gagettette ggtactacga ecettgatat ggatttgtgg atgggtgcaa ttteetaata etgeteatatg ggaaaataac tegggttgtt ggaaaataa	241980
ctgtcatatg ggaaaataac tcgggttgtt ggaaaactag agctggagcc tccccttcaa tccaaatatc tccttgagtg ggctggacta agcaggagca tccccttcaa	242040
tocaaatato toottaagta agotagaata yyddaactag agotggagco toocottoaa	242100
tteetgaace actettees acanage to agetegeeaa ageacgtaaa atcattgttt	242160
caccatotag aatotttto ttatta	242220
taactccttc tcttttctga taacctagaa atacaggaaa atgatgttgt cattaagaaa tatagcccag cacaaataag atacatttcc atagggttga and a cattaggaaa	242280
tatagccag cacaataag atacctagaa atacaggaaa atgatgttgt cattaagaaa	242340
tatageceag cacaaataag atacatttee atagggttea actetetega gacaatatee ttagttactt tagttaacte ggggacaceg acaacgatta	
ttagttactt tagttaactc ggggacaccg acaaccatta aaatactact ttccttgatc	242400
aaagaaacaa attcattggt taaggatggt aaaatatttt taaaaaacttg aggataaata atataaacga aaatttgata cttcttatat cccaaacac th	242460
atataaacga aaatttgata cttcttatat cccaaaacca ttgcggattc ccactgccct	242520
atagaaagag aattgatacc tecaeggata ttttetgcaa gatatgetge agaatteata	242580
cttaaagcaa taattccagc aactagaggt gtgggttcta tggggagaac ttcaggcaat	242640
ccaaaatata taatcaaaat ttgaataaat aaaggagtcc cgcggataac ttcaggcaat ctattagcta aaagtttcgt taacttagaa gggaagtata gaaagtata	242700
ctattagcta aaagtttcgt taacttagaa gggaagtata gagaagtcac cgttccaatc	242760
aaaagaccta aaatagaacc acatagaatg ccgattccgc tcacacataa ggtgtatccg	242820
catectetta acaacagtet tgetataget agecaatgat ceaeteegae etettatgea	242880
tatttattta taatgaaatc atatttatgc aattattagc tacttatgca	242940
tatttattta taatgaaatc atatttatgc aattaatcca agaaaacttg cagtaaattt gcaatcgaaa ccatcaacaa tgggagcctc ccttcatcta taggagtgac aaaaatcgtg	243000
teateteetg ccaaagtree aagaattee telectateta taggagtgae aaaaategtg	243060
atccaagaag ctgaaccagg aaccgtagge cttgatctaa caaagcagcg	243120
gagagcacca aatgacgggt cutggtetta attacaataa gagaggcgtt atggcgaata	243180
ccacgetete cageaacett tacagetes ettyctydag agggtaaaga ataacgagea	243240
tgggttgtag caaaaccttg aggtanga attitutegta gccaacgaga tacagacgac	243300
tgggttgtag caaaaccttg agctaagagt tttgcacata attcctcctg agttgccgct ccttcaagac gtaaaatttc ttttaaagcc tcatctatag ttacttttt tttcataaaa accccatgta acttttactt gctcatattg agaagtcgag acttttt tttcataaaa	243360
accecatgta actititacti cottanage teatetatag ttacttitt titcataaaa	243420
accocatgta actitiacti geteatatig agaagteece catactataa aaggeaacgt	243480
tttctttct tggtttttta tgctcaccct aggcttggaa agttcttgcg atgagactgc	243540
ctgcgctata gttaatgagg ataagcagat attagcaaat attattgcct ctcaagatat ccatgcatcc tatggcggag tcgttcctga asttagta	243600
ccatgcatcc tatggcggag tcgttcctga acttgcttca agagcacatc tccatatctt	243660
cccacaagtg ataaataaag ctctacaaca ggccaactta ttgatcgaag atatggatct gattgcagta acgcaaactc cagggttgat aggttatata	243000
gattgcagta acgcaaactc cagggttgat aggttctcta tcagtaggag tgcattttgg taaaggcatt gccataggag caaaaaaatc cttgattgaa	243720
taaaggcatt gccataggag caaaaaaatc cttgattgga gtcaatcacg tcgaagctca	243780
tototatgot gootatatgg cagogoaaaa cgtgcaattc cotgotttag gtottgtggt	243840
ctctggagct cataccgcag cgttttttat agaaaatcct acatcctata aactcatagg	243900
aaaaactcga gatgatgcta taggagaaac ttttgataaa gtaggacgct ttctaggatt	243960
accataccct gcaggcccat taattgaaaa actcgcttta gaaggctctg aggacagtta	244020
teettttagt ceagetaaag teecaaacta tgaettttea tteageggte ttaaaacage	244080
tgttetetac geaatcaaag gaaataatag tageeeeege teteetgete cagagatate	244140
tttagaaaaa caaagagata tcgctgcttc atttcaaaaa gcggcctgca ctactattgc	244200
acaaaaactt cccactatta taaaagaatt ttcgtgccga tctatactta ttggaggtgg	244260
cgtagccatt aatgaatact ttagatccgc aatacaaact gcgtgtaatc tacctgtata cttcccccct gctaaactat gctcagataa tggtgatat	244320
cttececcet getaaactat geteagataa tgeteatat gegtgtaate tacetgtata	244380
aaattttcaa aaaaactcta gtattgagga attgcaggtc tagggggaga	244440
atctgtatca ccattctcct taggatatatgtata tgcgcaagat atcagtggga	244500
cactecteta catetegggg agaactect glagicelee aaggetgeaa ggagtecagt	244560
gatccaagac aagtgcgact totttagge attaatataa gagatgaacc ccgttcttta	244620
gatccaagac aagtgcgact tetttcagaa atcageettg teaaacatat etatgaggga	244680
ttagttcaag aaaataatct ttcaggaaat atagagcctg ctcttgcaga agactactct	244740
ctttcctcgg acggactcac ttatactttt aaactgaaat cagctttttg gagtaatggc	244800
gaccccttaa cagctgaaga ctttatagaa tcttggaaac aagtagctac tcaagaagtc	244860
tcaggaatct atgcttttgc cttgaatcca attaaaaatg tacgaaagat ccaagaaggga	244860
caccteteca tagaccattt tggagtgeae teteetaatg aatetaeaet tgttgttaee	244920 244980
	245240 245240
3-1-1- CCCCCCG[[	245040

cătaaatcto	: aaagaaccct	acastaass.	*************			•
Cctaaaaata	tcaaacaaa	acaatccaaa	recetaecta	tagcaagcgg	agctttctat	245100
Caaagtcag	r todaaactaa	acaacyyata	adactctcaa	aaaaccctca	ctactataat	245160
gcaaaactat	: ttaatcagg	aacyattacy	actedette	ttcccgatgc	aaacacagca	245220
cctcaagaaa	ccctatccaa	tttagagtat	cycaaggac	cccctgggg	agaacgcatt	245280
ggaacctcat	gactcacctt	Castatant	aaggggcact	tacactctt	tgatgtcgca	245340
gaageettad	. ggcccacctt	agatageage	adaltecec	ccaacaatat	gaagcttaga	245400
gcaaaaacto	coccatcatct	agataaggaa	getettgtet	: caactatatt	cttaggccgt	245460
caagagatga	Cacaacacac	cctacctaca	aatattcata	gctatcccga	acatcaaaaa	245520
ctccaaatca	cacaacgcca	agettaeget	aaaaaactct	ttaaagaagc	tttagaagaa	245580
gcaagttett	tactactcca	tctcgaacat	cttaatetta	tctttcccgt	ttcctcgtca	245640
atccctatto	toggaaagga	acttatacga	gaacagtgga	aagaaagttt	agggttcgct	245700
tetttageta	caggadagga	atttgctctt	tttattat	acctatette	agggaacttc	245760
tttgcttatc	catcaggacy	gttcgcagac	gasata	ctatggcatt	tctaacgatc	245820
ctacaaaaca	tagaagaaga	tcctccttat	gcaaccaacc	ataaggactt	cctagaaatt	245880
tetetttace	tagagagagat	gcaagatcac	cadadacgct	cggaattagt	gtcgcaagct	245940
gctatgaata	aaaaactttc	tcatattatt	gageegatet	accacgacgc	atttcaattt	246000
ttatgctaag	gaaaattagc	ataatctagg	agicicacca	acaggagttg	tggacttccg	246060
atactaaact	gaatacettt	acctctttta	atttant	cttgtcaaga	actgaatctt	246120
tcaaccgcat	ccctaaaact	gtggcacctc	gtttccttct	gactgctctt	ctctctctac	246180
cttcactata	tttatatoss	tgaaatctta	ttctaaagaa	aggtctttta	tgctccgttt	246240
ctctaaagga	atttttata	ctctttggct	cattacctca	ggatgttccc	catcccaatc	246300
aaactcotct	catterage	taaatatgaa	aggaaatgcc	acgctccttg	gatcctggaa	246360
aacattccca	aaatggagag	caaactctaa	tgcgtcatct	atatgaagga	ctcgtcgaag	246420
accoracted	atacagatt	attaaaccag	cccttgcaga	aagctacacc	atctccgaag	246480
Carctcaaca	States	aaaatcaaaa	acatectttg	gagtaacgga	gaccctctga	246540
atctctatgo	atttttage	tcttggaagg	aaatcctaaa	ggaagatgcg	tcctccgtat	246600
Cadaaaatot	aggagagaga	atcaaaaatg	ctcgggcaat	ctttgatgat	actgagtctc	246660
Cagadaaccc	tttcctacat	gctttagata	agcgtcatct	cgaaattcag	ttagaaactc	246720
tacassats	taggagatat	ttcttgactc	ttcctattt	tttccctgtt	catgaaactc	246780
totototaa	agcaccici	tttgaagaga	tgcccattac	ctgcggtgct	ttccgccctg	246840
accatatass	addaggeerg	agactccatc	cagagaaaaa	ccctatgtac	cataataaaa	246900
ttctattcaa	accacacaaa	attattgtac	agtttatete	aaacgctaac	actgcagcca	246960
Cadaaatctc	acataayaaa	ttagattggc	aaggacctcc	ttggggagaa	cctatccctc	247020
ctacateett	agtetttaat	catcaagatg	accagetett	ttctcttccg	ggcgcttcga	247080
Cattgagggt	tagaatagaa	atacaaaaaa	aaccttggaa	caatgctaaa	ttacgcaagg	247140
aacctacaca	testateeta	aaagatatgt	taaccaaagt	ggtataccaa	ggtcttgcag	247200
gacaaaacga	aagaattgtt	catccaagac	tttatccagg	gacctatccc	gaacggaaaa	247260
aaatgacacg	casaatats	gaggctcaac	aactctttga	agaageteta	gacgaacttc	2473.20
accordances	ttaccasata	gaaaaggaaa	ctttgacttt	ctcaaccttt	tetttttett	247380
ctatagtagg	ccaacaatt	ctaagagaac	aatggaagaa	agtettaaaa	tttactatcc	247440
taaccotosa	Ccaatgageee	ttcacaatac	aaaaaactt	cctagagggg	aactattccc	247500
ccaatectee	aggastttco	gcagcattta	tegateegat	gtcttatctc	atgatctttg	247560
taaagatcac	tcaacaacat	ccctatcacc	tccaagattc	acactttcaa	actcttctca	247620
actatttaca	acactetese	aaaaaacacc	tacgaaatca	gcttattatt	gaagcccttg	247680
toaacaaaaa	Cattagaga	attetegaae	cactatgtca	tccaaatctt	cgaattgctt	247740
tagaaaaact	ataggagaac	tttaatcttt	trgtrcgacg	aacttcagac	tttcgtttta	247800
attttaaaa	tattttcaca	aagtttagac	rtaaaartcg	atagtaaatt	tattaaagta	247860
tactcctcct	actettean	atggatcacc	CCCCCCCCAC	tattcattag	ccttactgga	247920
gtagetttt	ctcctccaaa	acataaacaa	tetttaatta	ttcccataca	tgacgaccct	247980
tttgatggt	tractarara	agcaaaacgg	gccatggacc	tttctattgc	ccaacttctt	248040
actccctata	cactetetes	aactcatcgc	gaatccaatg	atttggaatt	agcgattgcc	248100
trategacea	agrettetga	agacttttgc	tettataegt	tctttatcaa	agacagcgct	248160
Caddadaact	ctcccaast	aatcacctcc	gaagatatcc	graacgettg	ggagtatgca	248220
aatgcaatta	coattoatat	acagatette	caaggactta	acttctcaac	tccttcatca	248280
cctgcattta	chatchthan	cgactcgccc	aaccccgatt	ttcctaagct	tcttgccttt	248340
otageactity	toccaccocca	accagaaaac	ccgaagctct	ttagcggtcc	gtatactctt	248400
cactgagtatt	ccccagggca	taacattcat	ccaaagaaaa	accctaacta	ttacgactac	248460
Cacctactes	acadadacec	catcaaactg	ccattattc	ctgatatata	taçagccatc	248520
taggaagetee	atasaggcaa	ggtggactgg	yraggacaac	cctggcatca	agggattcct	248580
taactttata	tasatagasa	gcaatatcac	tactacacct	atcctgtaga	aggtgccttc	248640
actacttata	ttratasar~	atccccacac	ccaaatgatc	ttcaaaacag	acatagactc	248700
-, Journal Court	cegucadacy	ttctatcatt	yaagaagctc	ttcaaggaac	ccaacaacca	248760

gcagaaatct	taaaggaac	a atomasa	<b>.</b>			
gaataccatc	tatttatta	a deggadage	getggaata	g atttaatcc	t tgaaggactc	248940
						249000
						249060
						249120
						249180
						249240
						249300
						249360
						249420
						249480
						249540
						249600
						249660
						249720
						249780
						249840
						249900
						249960
						250020
						250080
						250140
						250200
						250260
tgtttcaagc a	accaccette	ttatctataa	cctcccccaa	gaaaagattc	ttacctattc	250320
cctcaggaaa d	accattacta	atoctattos	tagaaaaa	cctctaatac	aaaataaagc	250380
cctcaggaaa q	actotaacto	tagttggg	tagadaatct	atcttaagac	tcgtgccttc	250440
aggacaagaa gatctcaaca	iaagaacgac	2222222	adatettea	caactcaatc	ttcaaaaaga	250500
gateteaaca g	eagaactca	aaacaaaagc	cagagcatat	tttcaagaag	ctaaagaaac	250560
actttctgaa a	rctcaacaca	tagaactcag	catcetetat	cctatagatt	cctcgaattc	250620
	, auguaa	CCCaaadaca	<b>みでててあるさべっと</b>			250680
						250740
	774-9946-69	yyyaatacen.	23000000ts	~~~++~-+		250800
						250860
	GCCCCCC	aayayaacrr	22226666	~~~		250920
	· · · · · · · · · · · · · · · · · · ·	accacuucaa	aratetta	~~+		250980
		Carricacacac	anarcrosss	3 3 5 5 5 m m - 4 -		251040
	3-4-WWW.CCA	aaaaLLLLAT	202022F0F6	~~~~		251100
		aattuaaaaa	$\sigma c c c c c c c a a c a$			251160
- 3 - 5 -	-www.carce	uttaaaaaaa	raamamattt.	~ <del>+</del> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		251220
	~~~~~~~~~	actuaduara	acraananea			251280
	-gg-cc-cac-	LCaacullada	AAT CCTT aat	3 mm		251340
	wwcaug	CLLLLCAAFF	TOOTTTOOLOG	**		251400
	~cguaaacc	accedagaa	arcetttess	h		251460
						251520
		Caulcalca	クランシングドングン			251520
	waaycaaca	aacalcare	へびつったべつったた	4		251640
	~	LCCALAGGAG	MMMMAT ARA	-		
						251700
						251760
2 5 -	-ggggaagc	LLLacteara	Cratactccc	~~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 		251820
23500	cccaccaca	Caucelacer	みたたんととなったと	~ * ~ ~ ~ ~ ~ ~ ~ 		251880
J	ccagactat	ucadadddac	アクナククククラクト	t		251940
	y-catate	CCAACCAFFF	Createdaga	~ I		252000
		uaaaalarer	アクアクセッセセクク	* ~ ~ ~	and the second second	252060
	uuucaacya	uactacccad	ramoonttaa	~		252120
		Lacillerga	CCF ケスヤナベッ っ	*		252180
						252240
	audu-c-cat	CCLCAGCTCC	みだひるひひとつひひ			252300
						252360
						252420
						252480
acgaggteta co	actatant	tactcatec	gagge	tgcatgtttg (cccgaactct	252540
		Lacocacago	gacyacogot	acacttattg a	atgtgtgtgt	252600

catettecat caeggactge tecegetaat cettgeaatg acaattacag gatggattee 252780 tatatetega attatetaeg gteagtttet acteetgaaa aataageeet ttgteettte 252840 tgcaaaagcc atgcatgcct ccacgtttca tattctaaag aagcatcttc ttcccaatac 252900 cctagetece ateatateta cattgatttt tactatteet aacgetatet ataccgaage 252960 cttcattagc ttcctgggtc taggaataca gcctcctcaa gcaaagcctc ggcaccttag 253020 ttaaagaggg aatcaatgct atagattact acccatggct attttcttc ccctctctaa 253080 ttatgattgc cctctctata agcttcaatc tcatcggcga gggggctaaa acactatgtc 253140 tcgaagaggg atctcatgga taactactta ctaaatatca aggatctcac aataacctct 253200 acaaacccta agagaactct aattgaaaat ttatcactac agctcaaaga aaatcgaaat 253260 cttgctctag tcggagagag cggctcaggg aaaactacaa ttaccaaagc catcctaggc 253320 ttcctccccg aaaattgtct gatcaaaacc ggaagtattt tatttgaaga tatagatatt 253380 accaagetet caccaaaaga getecataag atcegeggte aaaagatege cacaatacta 253440 caaaatgcta tgggttctct aaccccatcc atgcgcatag gaatgcaaat catagaaacc 253500 ttaagacaac accacaaaat gaataaagag gaagcctata ataaagctat gcaactcctt 253560 accgatgttt gcattcctaa tccaaaatat agcttctcac-aatacccctt tgaattgagt 253620 ggtggcatgc gccaacgtgt tgtaatcgcc atagcactcg caagccaacc taagctcatt 253680 cttgccgatg aacctacaac agccctagac tctatgtcac aagctcaagt ccttaggatt 253740 cttcgtaata tccaacaaca gaaacaagct acaatccttc ttgttaccca taacctctct 253800 ctagtcaaag agctctgtaa tgatatctgt attatcaaag acggcaaact catagaaaca 253860 ggaaccgttg aagagatttt cctctctccg aaacacccct atactctcaa gctcctcaat 253920 gctgtctcta aaatccctat taaaaaaacc agctctccca tccttaaaaa taagttccaa 253980 cctctaatga gtatgcaagg tggtttatga caactctact aagtataaag gacctttccc 254040 taaccatcag aggaaagaaa attcttaatc atattaacct caacctaatc aaaggaagct 254100 acttaacaat cgtaggaccc agtggctcag gaaaatcttc cttagcactt actattctgg 254160 atctcctaaa acctaccaca ggaacaatca cgtttcatat ggaccccaag atccccagag 254220 cacgtaaggt ccaagtgate tggcaggata tcgactcgag tctaaatccc tgcatgtcta 254280 taaaaggaat tatttccgaa cccctaaata tcatcggaac ctattctaaa gccgaacaaa 254340 ataaagagat ttataacgtt cttgatcttg tgaacctccc caagtctgtt ctccacctta 254400 agecttataa aeteagtgga ggacaaaaac aacgcatage cattgcaaaa getetagtet 254460 caaaacccga gctccttatc tgtgatgaac ccctctcctc actagacacg ctcaaccaat 254520 ccctaatctt agaccttttt caaacaataa aaaaagaata ccaaaatacc cttctcttta 254580 tcacccacga tatgtccgca gcgtattata ttgcagacac tatcgccgtc atggatcaag 254640 gaagtettgt egaacatget tgtagagaaa aaattttete aacteecaag catacaacta 254700 cacaagatet tetegaegee atecceatat ttteettgat etecacagaa atggaaceet 254760 cggaagaata cgaattacaa gtcgcctcaa agtanataga tttagaaata acgaattctt 254820 atagaaaaat taggattttt gacgtctctc aatagaaaaa tgaaagtctg atatgatgaa 254880 tcaaaaaaac caatagttaa tttgattttt gaattgtttt ttctcagaaa gttccttgac 254940 tccactaaaa actcgctatc tagttataaa atagagtcaa cgcctcctac ggccgtccaa 255000 tctagggtta gatcaaaaaa acttaacact agaatcagac gccaattatt tctaaactat 255060 tgtattacaa tcattcctat ttgaattaaa cactttgaat ccccataatg ttcttgcttc 255120 aacaaacgca accattctaa aagaaccctc gccttctcta ttgcgacgtg taccttaatt 255180 tattgaaata taaagcatcc gaaaactgta gttctattaa gagctgggcg cttaggaacc 255240 ttaagttatt cctataaatc gtccccctcc cccaaaaaaa caataaagag accagttgta 255300 tgaataccta taccttctct cctacacttc agaaaagctt cagcctattt cttttagaaa 255360 aattagactc ttactttttc tttggaggga ctcgtacaca aatcttagtc atcacaccaa 255420 ccaatattag attagcagct aaaaaaagag ggtgtaaggt ttctactata gaaaagataa 255480 tcaagatcct ctcttttatc ctgctgcccc tagttatcat tgcctttata cttcgctatt 255540 tottacataa gaaattogat aaacagttot tgtgtatooc aaaagtoatt totaacgaag 255600 acgaagetet tettggatet agaceacaag eagttgaaaa ageagttega gaaatatete 255660 cagcettett etetatacca agaaaatace aacttattag aategacact eetaaagatg 255720 acgctccete aatcctttte cetataggea tagagateat tetéaaagat ttatgtattg 255780 atacactcaa gcaatctaat cttttcctta aaagagaaat ggatttctta ggtcatccag 255840 aagaaaaagc attattcgac tcgatatgtt ctatagaaaa agatcaagaa tggatgagct 255900 tggaaagtaa aaaactttta atcacgcact tcctaaagta tctctttgtc tctggaatcg 255960 aacaactaaa tecaggettt aaceeagaga atgggegtgg gtatttttea gaaataagta 256020 cagcaaagat ccattttcat cagcacggtc gatatgggcc aatccgttct tcgggaccca 256080 tcatgaagga aatataaaaa taaaaggcat gggctaccaa atcttcacaa gacttaaaaa 256140 acttggaatc tcattctcct cttataattc cattaatcct aatccttact tcttcgatga 256200 aggctgtttt gtctactggg aatcccaatt taaatccgca ctgcaagatc acgggattct 256260 ccagaaacag acagaaacat tctatagaaa tacttaaata catttctaag aagtctgtct 256320 aagagaacte caaacetata aaaaaaceet taaatattte etaaatagaa gaetetataa 256380 aaggetatgg tteegetagt geetttagaa ateeceetea getattgeta aagttettte 256440

atactacaa	- tacataacct	·				•
ttaatrtct	tatetetaa	acaaaggact	tactatcct	t aatacatcad	cgttatgttc	256620
cagtgatgc	attogactat	Cottgacag	aagaagccci	t gcatgctaco	actcaattaa	256680
Ctatgacga	accygaytat	Cittgctaat	ggatatttc	catatectgg	acceaattaa aagatettge	.256740
aattacgcct	tatttactcc	caagggaagc	tatagaagc	g gctattgtta	aagatettge aac <u>a</u> aatgca	256800
aaatgatgg	auttatcaa	atactetaca	cgacgctact	cagegegted	ctgagattgt	256860
aagtcgcgc	ctccctctca	tottees	tgccatgtat	ctcctcgcac	aattcagaga	256920
aatagcaggt	datataataa	ccactaaact	ctttgcattt	: gaagatgata	ctccacacgc	256980
tgactcgcta	attaaagag	tostassas	gcctaggato	c ctagctageg	tetgeaatga	257040
ngcaatctct	. accadagage	ctatagaaac	tccaaaaatc	aatccttatg	tgaaggcagc	257100
ccattanttt	. ggtcttgtaa	tractiguagg	agccgggaaa	a attcctaggg	tgaaggcagc ataaagttat	257160
	. guagaacttt	Ladactatad	attagaaaaa	Caccctact	+ · ·	257220
ageetttgae	geagggatet Gaaggatte	gracicita	ccccggagag	, ctcttctatc	caataagcaa	257280
tatccacgae	ggaggacttg	regaracate	tttcatcago	: atggaagatg	tcgaaaatat	257340
taatgacact	gaaaccgtgg	tagaaaaa	ccataccctc	: tgttcttcta	cagaactcat	257400
tcgatcaatc	ctagaagaaa	cggaaaaacg	gttagaagac	ttccccatag	aaccgtgaca	257460
tettatetet	aatatttcta	accactacac	cgaggtccta	agtgaacaaa	aaaaacgtt	257520
catctataaa	cctctttctg	tarre	ttttaggcat	ttggttctct	ccccatcccg	257580
tcattttcca	ttctaatgct	rygcaactct	tcgctatatt	cacaactact	atcatgggaa	257640
tcacacaaac	gcccgtcccc	augggageta	ttgccattat	tggaatctcc	acactactac	25 7 700
coacacaaac	gridacicia	gaacaaggat	totcaggatt	CCataatcct	2 t 2 ccct	257760
tcgcatactt	ctccttctca	acagcaaaag	gaatcataaa	aacaggactc	ggtgaacgaa	257820
oogeacace.	cccgccagc	getttgggga	aaagtcctct	aggactcage	tatoosates	257880
uaccacaga		gcacctgcaa	tccccagegt.	gactgctcga	actas a	257940
cececate	cytagtcacg	agettateag	attecttter	aagttcccca	@33355	258000
o c c a a g a c c c	categgatee	LLCCTCATTA	aagttgccta	traaarrtaa	~+~-+	258060
Josephane		acqueaggaa	accetetant	GGC2Gctgta	~~~~~	258120
	LLLatCLLgg	4 L L C L a L a a a	Caaaaaaccac	aatcattcca	~~~~~~	258180
3 cc cacccc	cargorgate	atactctaca	aactctaccc	accaaaaaat	Cacatottet	258240
gaagagcca	cccgaccggc	adadcttcga	ctcaaagaaa	tagaaccact	2222222	258300
gaaaaacaa	Latigatgat	ctttttcctc	cttqtaqtcc	totogacttt	taggageata	258360
ccayyaaccc	Caycaacaac	agcagccctt	ataggactgt	ctctcctcat	CCTCactaat	258420
accetagace	gycaaaaaga	tgtcatagca	aatacaacad	catoronaaa	2++ a2+	258480
cccggagccc	Laatcatgat	ggcttccttc	ttaaaccaac	tcaaatttat	CCCTACE	258540
ggagacccag	Caycaycact	ggtcagtggc	CtCtCttgga	aaattooctt	acatata ata	258600
Coccegacce	acticiacto	ccactacctt	tttgctagca	ataccococa	tatoomagaa	258660
acguatecta	Latticetege	agtetecata	tcattaggga	ctaatcctat	atteggaages	258720
cccaccccag	Callegeaag	caaccttttt	ggaggactca	Ctcattaccc	3 t 0 0 0 0 0 0 0 0	258780
geacecee	acticgggtc	acateteget	actotecaao	agtggtggcg	atcaccatta	258840
gocccagca	ccyccaacac	tgttatetgg	ataggaatcg	gaagettete	atagaaacc	258900
occagaceca	LLLayaaacc	aagtettta	tatagaaaat	attetttage	224++2+2+	258960
cccycyaaac	acganageth	aatcatagga	CCacctotoa.	tttagggtta	tatas	259020
	caycccaaag	ttgaagaaag	Cttagccgta	aaaggtetta	ttatattatt	259080
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	acaacyaaat	acactadagt	tcattctcaa	agtagaatca	ttaattaaaaa	259140
caagacetet	LLaaaaaaac	ctgatgttet	tatocacaaa	aagaatccca	ttasatttsa	259200
ccctygyatg	atgcaaaaag	caaaattaga	gtgtagccgt	tatccttatc	astacette.	259260
acguigatet	cgatactatt	atcagctcct	actotoctoc	cttacctaaa	Caatttaaaa	259320
aagcagcccc	tttaattgct	qttccaqata	cttcacattc.	taagggtata	~++ · · ·	259380
cgaaaacccc	Cultudadaa	acctaccacc	ttccctatct	aaaatttata	G3366565	259440
argueguea	Caccecce	aaaqtaqqca	taatgttctc	ACCENDEDDE	~~+~~~	259500
gacacaacge	Catecaagga	ctcttcaata	αtctaaaaαa -	tttccatccc	anttantana.	259560
ccgcgggcc	cycaaacaat	ggagacggtc	ttacaaacaa	taaaaaaaata	~~~	259620
augugtttt	CLCCaaaccc	cgaaattccg	gaggetteaa	ctotatagga	2626622662	259680
amada ac cy c	aactccagaa	gctaaagagg	Cttototaaa	Gaccgcagag	cat at a mata	259740
ccyacygact	agicattatt	gacaataata	getecaatac	adcaaccact	3 + + - + ·	259800
agtattttgt	addacyacgc	ccaaaaacct	ctattgtcgg	acttoctasa	~ - + - h + m	259860
gggaccacaca	acacaccitc	ttggatttqq	ccttcagatt	tratactors	303333ttat	259920
accectage	cattageaat .	atttcaagag	atoctctttc	ctotagaget	Cattaggagg	259980
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Laryyyacgc	tcagcatccc	atattocttt	ggaatgtgct	Ctccccatc	260040
acceaacat	racccttate	ggcgaagaaa	ttaccasses	aaatotagga	a	260100
ccacccacaa	aatctgctcc	gtaattgcag	atagageege	tatoosassa	tactatacas	260160
courcecat	cccagaaggc a	actaccgagt	tcatcccaga	aatcatcaac	ttaattaaaa	260220
aaatcgaaag	cctatcagaa	tacgaagata	aaatctccag	gctctctcca	gaateccaac	260220
						_ >

atcatctcca	acaatatttc	cctaacatcc	ctttonntee		** ********	26245
atasaaaaa	ataaaaatta	cctaacgtcc	teretere	gateteacat	tttctaggat	260460
	ctcgggattg	CCLacadaa	ccyataatac	ctacggctat	agcctcggat	260520
acggcgccgg	tattctcgtc	cgcaatcact	gcaacggcta	tctctctact	atagaatccc	260580
tagcatgccc	tttcatgaaa	tggaaattac	gggcaattcc	cgtagtgaaa	atgttcacag	260640
taaaacaaca	ggcagatgga-	actctacaac	ctaaaattaa	aaaatacctc	gtagatatag	260700
gaagcacggc	atttcgtaaa	tttaagctct	ataggaaaat	ttgggccctc	gaagactcct	260760
accgattect	agggcctcta	caaatagaaa	ctcctccaca	aatggagtgt	gaagactcct	
Ctagtettae	cattttaatt		the	aatgcactct	gataatttee	260820
**	ccttttgctt	aaccacaacc	LLLggcaacg	tcaccagggt	tgcatagaaa	260880
Lecetgatae	tacgtattaa	ttacgttcta	atacgttctt	aattcctgaa	aatctaagat	260940
gcttccacgc	aagcttatcc	gcatactaaa	cttagcagaa	gtaatggatc	tgattcggat	261000
acagtaagac	tgttacaagc	cacaactggt	gcactgaatc	ctgtacatgc	catgcaactc	261060
ggtacgaatg	ccacgccatg	acgaatcaaa	gggaaactag	atacaaacgt	ggcaataaga	261120
aaagagagcg	tcgatcaacc	aaggactttt	gataagetae	ctocctatao	aatcctctcc	261180
ccacttaaca	aagttttta	taaaganact	ttcattctta	ttaataarar	ataattaaat	
cottactatt	taaaaataag	caacttacaa	tanaatataa	accaagag	ataattcaat	261240
tasaattaat	caaaaaaaaa	tacttagaa	ccaccacag	ayayaaaaca	accaccacac	261300
caaaacccac	cgaacaacat	Laggitgaag	acggaaactt	atagetttte	tacagaacta	261360
cagaaaaata	cttctctcta	tatcatggaa	aagttagatt	cctattttc	ctttcaaggc	261420
aaacgcacac	gggtaattgc	aataacccct	gcaggtttag	ccatcgccta	cgagcagaat	261480
atccacctct	ctatgaccgt	gaaaatatta	aaagtcctct	cctttccacg	gtctctcctc	261540
aggacaacta	gtttgtggta	tcgcccttga	taatacqaat	atcgataaac	aaaaacaact	261600
atccgaagaa	ctcaaagact	ctcccaacca	acattttqtc	tatatagaac	tccaaaatgc	261660
cttcttctcc	tataccgaga	tctaataaag	tttcatagac	atcatatcas	agattttata	
atcattcctc	cttattctct	atatttaaaa	cccatagac	accycaccya	agattttgta	261720
accactece	cttattctgt	guerrecege	ggegaettea	cagtttette	ttegaacata	261780
gaatctaaac	tatgtttagc	ggcanttcat	acttcctcat	aactaaacag	ccccgttcta	261840
acttacttt	agcaattgca	aactcaagct	ctttagtttg	ttttattccc	ttttcgagct	261900
ctagaaggct	gaatttctcc	ctaatgaact	cctctttagc	cctagcctgc	tcttgaaaat	261960
ctgtggatgt	cttacataac	aatgtatact	catacagcaa	caataagtac	ctcaatcgtg	262020
attgatacaa	acaatccttt	tgatactcct	cttgactggg	agtettagaa	aaacaaaaaa	262080
gagaaacatc	atgcaattca	ataataatgt	coctaaottt	cctttqcaga	tetteaatee	262140
agcatttctc	catcgcatgc	tectetetaa	gaagatata	attenentee	ttaatttatt	
tttcaaaact	gastagatta	ctcttttaata	tttaaa	accyayetee	Liggillett	262200
	gcatagcttc	cicitigeta	tttcaacaca	atcattcccc	caatccacaa	262260
accettetat	cttgcaaaga	ggccatctaa	aatctaacag	gtaatatgca	ttcaaatctc	262320
ggattgctgt	ttttagaaaa	tgtatctccg	aagcaataca	aaaagccctc	cgattcactt	262380
ttgataaata	ggcacccaag	aattctatag	tctgatagat	agcacctatg	tccccaagac	262440
ctaaaacatc	tctggctttt	gtcagtaaag	cattccacge	atcgattgct	ttttgagact	262500
caaaaagcac	atcttcatct	tccqtaqcct	ttaaaaattt	gtactgaaca	agcccgagta	262560
aaacgaattc	aagatgatcc	aaacattgat	aaagtgaagt	gatetettee	tcacttataa	262620
acttetaate	ttttaaatgc	acceptate	ttttaagaaga	atatasatat	actores	262680
tactaataat	accedatege	ttatatata	ttttaagagt	-tttt	actageatag	-
tyctaatayt	agcatgctct	Liceletetaa	ttgtcttgaa	atactctctt	tctctttccc	262740
aaagtttctg	gtactataat	aaagattttg	cctcctcaac	taaaagtccg	actcctccag	262800
ctaataaaag	aagtcccaga	acaatcccaa	gaaccccaaa	aactaatgaa	aggactccat	262860
gagaaaatac	tgtgagtatg	gcaaccccag	caagaagaaa	aagagaacct	ataataacta	262920
<pre>agctcacagc</pre>	taagatcaca	aaagtacttt	gtttaaagca	cctcttctqt	totatctoot	262980
cagaagtett	atgaagcaaa	gcagattgaa	tagaagaggc	ctgtacattg	gaaatatcag	263040
gataagacat	aacacattct	caacaaaact	tatoogaaaa	raataaaatc	ttctttaac	263100
	ttaagcaatg					263160
sataanatat	ttatttatt	ctttataaa	agaaatgtta	Laacticyaa	tyycttaaaa	
aacaaaacac	ttatttgttt	atgeetetag	aaggatatee	acataaagtt	gagcaatctc	263220
gagttctaaa	gtctttgtat	gtactacgca	catttgtagc	tcttcaaagg	tctcaataca	263280
	gccatccgag					263340
tacctcatcg	ttgtatatcg	cccataaagc	atgtaacata	gtcacacgta	tacagtggat	263400
	tccaaaacat					263460
	atctcagtac					263520
tttcttttct	tcattcactc	tcatatette	cacacacact	tttacataat	tacqcasatt	263580
ttttactata	cggcacatag	ratatentt-	cataoreace	taganan	ttaatt	
						263640
	atataaagat					263700
	tctctgtagg					263760
	gcagattttc					263820
gttttgctct	tgggctctct	cctgaatttc	acttagattt	cgaggaacac	ctatctttag	263880
aatctgtttt	ttctctgttt	tagaaccttc	caaaacatcg	agtcgtgcag	aaaacccaca	263940
	teettttet					264000
	ataatctcac					264060
ctCtttagge	tctaatccat	agggttgctt	agatttaaga	ancoccaato	ctatacttat	264120
 4	2222422046			agogodaaco	Jeacactial	204120

```
attaaagacg tggtgaatgc gaatactcgc cgtttctata ggcccaaaag ggaaaagact
                                                                       264300
 gtgtttacaa gaagtaagtt ctgaaaaact taatatctcc gaataaatag acacaaccac
                                                                       264360
 tccatacgac ageteteaga gagattttat aaaataattt eteantttta atatttttt
                                                                       264420
 acaaaccgtt cttctaattc aataattctt gaaattcgcc tcttgaagta tgttgtaata
                                                                       264480
 ctatttgata ttaaggatga taaacgtacc ctcaactctc gaaaacagaa aacagaaaac
 agaaaggatc gttetettte tteeacaaag gaaggataag etetaatetg ggaatteeta
                                                                       264540
                                                                       264600
 totgattggt attagaaaaa attaccctag agaaaactac caaaatctat aaaccttgaa
                                                                       264660
 tgtgtagaac tgctaagaga ggcaactatg gtcatcatag tttagaaacg ctctcttctg
                                                                       264720
 tgctttagta ggagatctgt aaactaagtt tcttctgtca ctatatcttt tatcttatgg
                                                                       264780
atcagttcta gttccaatga cnntattacg tcttgaagtg atcgtaactc tttttcaatc
                                                                       264840
tctgtgagtt tttcaaaata cgcagatttt atagcacctc tgaactggag cttacgcacc
agaagggcgt tcaacccagt agaagccgcc ctcattcgat tttcacattc ttcaagagtt
                                                                       264900
                                                                       264960
aggccagaag ttactgttcc agaaataagg aactcataat gatgcagaac tatttcgcta
                                                                       265020
tttaaataat tcaaaattaa aagctgttga tacggactaa aaagttcagg atgggaaaga
                                                                      265080
ttttcaggat ctagcccctg atttttaagg gcttcttcat ttttttcat ttctaagaga
                                                                      265140
gactcagttc tacccatgaa aagacgtgcc ggactttctt tcttggctct atccataagc
                                                                      265200
ttttttgttg ccctatcgac aatatcaaaa gctttctcta cttctttaaa ttccctactc
atttcattaa tgaacttctt acgttcctga gctttcacat caagcttatc taatctagag
                                                                      265260
gttaatctta taaacagacc tttgatagcc tcaatttcat cataatctac cttgagtata
                                                                      265320
cctgggggga gcagaaaaa atttaataga acttggaggt ctttcctaag cctatacaat
                                                                      265380
                                                                      265440
tctaaatata atgaagactt ttcctcatgc aaatcaaaaa tattgctttg gatcccttta
                                                                      265500
acctgttctc caaaagtggt aaaatttctt ctggtttcta aaaatctatc tcgaacaata
                                                                      265560
agaaatttag tcacttcgtc ttctaaagtt agccatttct ccatgcaatt gataaattta
                                                                      265620
ccctgaagct cttggcttag atcagagaaa tctttcgtat ggaactgaaa cagattttgc
                                                                      265680
aacttttcaa atgttacccg caactcagag atgtcattgg ggatctcttt cttatgaatc
                                                                      265740
accaaagaat ctaaatcttg atcataataa tctaaatctt gacgagtctt gtgtttgtga
                                                                      265800
cataagaaaa caataagagc tacagccaat aaaacaagac ctatgcaaag tatgggaagc
                                                                      265860
gccgctccta aaagaactcc gcaagacgta tgaacaagga atgcaagaga accagataaa
                                                                      265920
aagaaaatcc caaggataaa taaagcgaca accaccacag tagaaacgtg cgaaaaatac
                                                                      265980
atcctttaga atctacacgt tgaggatgtg gagcaggagg tatgttacaa taggtgggac
                                                                      266040
gctcatagtc ttcctttaat ccaagaaatc atcgtgagca tcttcaaaca cactatcatt
                                                                      266100
accatctaat gattcgctct cactcaacaa atccgtcgta gatgcaacaa atgccacatt
                                                                      266160
tgctctgact tgatccaatt taactctaag agtcttgcga atacgtgctt ttaaggcctc
                                                                      266220
atactectet aagaetttet ettgtteega agagaaagtt tgagttaaaa actgeteaac
                                                                      266280
aatacgacat tgaacttcat aaaggcgcaa taaatgatac tgaataagag ttggttcaca
                                                                      266340
actcagatct totactaccg atttcctgac ttgaatatca agaagttctg ctttagcttt
                                                                      266400
atctagtgct tcttgcagct cttcttcaga aaagacggtt ctgtgtaaag atgctaattt
                                                                      266460
ttetteaaat geacteacaa ettettegaa aagttgaate tetttteaa eggaaageet
                                                                      266520
tgtttttagg acttctaata gttccctcct ataacttcgg gaaacacctc cagtttctct
                                                                      266580
actttccttt tgtctcgata acattcctgt tctatcttta cgtcttttaa agcagattta
                                                                      266640
aacttagtca actcacaage aagettcaat ceagatttee etaettteat gaettetttt
                                                                      266700
cgaagcttat ctatttcaca ttgaaggcga tctccttttt tccttaaaaa ttcaagaggc
                                                                      266760
ccccagatat tetttaacte agtaagtaac getacateee tteegtetag tteetteeaa
                                                                      266820
atcgtctcgt atttttcgac ttcacgtcca aacagaagaa gatccccctc aaatgtagcg
                                                                      266880
aactgactet tatgttgage gacaacetet ttaaagteet eecaeteate taatagaaaa
                                                                      266940
ttgctccatt cctgaacttc attaagctct tttctaagat ctgcccacgg ttgatattct
                                                                      267000
aaagtaattt titgitetaa tgatetegtg gettetgaaa gtiteeggtg ataagagaea
                                                                      267060
aagaaaatca gccccaaaat caagagtaaa cttcctaaga aaacacctgc gcccccgagt
                                                                      267120
cctacagtca agacagaaaa actaaaaata gcatttacaa gcaagagcat ccccacacat
                                                                      267180
aacaggagaa cacccaagac aatcaaagat acagaaagga tcagagactt atatttaggt
                                                                      267240
ggatgaactc ctaaagttga agagggttgg ggggacggag acgggaaaca atcacgggca
                                                                      267300
atagegetag acataacttg ctttttactt gaagttaact acttaattte catacactta
                                                                      267360
tatgaatgaa gtttcttttt gtcaacaaac cagtaataca aacattttaa taaaaattta
                                                                      267420
taatatttgt attaaaacca aataaatcaa taaacaatag ccccgtttat taaacaaaga
                                                                      267480
cactateget ataacgaaat tteteegeta teeteagett ttetteaata atteetagae
                                                                      267540
gctcagaaat cgcactcatg tctctctcag attcaagatc ctctttatat aagggagttt
                                                                      267600
catattgagg aacctcttt tcaagataga gagaaagtac atcaggaaca cgtttctctt
                                                                      267660
gagataagag caaaatcagg ctaaaagaga aaagaaaaag agcaaaaatc aagcagccga
                                                                      267720
gtcctagagt aaaagcagcc cccgcagaaa gtccaaccag acctatatcc aaacaaatga
                                                                      267780
cagataaaat ggataagaca actccaagaa taagtaagcc ccccgccact atataggagt
                                                                      267840
tgattctcaa agaagtgtct tcaggaataa aatcaacttg aatacgatca aatgtcacag
                                                                      267900
gattcatggt gcgtgccttg ttctagattt ttcgcaccaa agatgttatc aattatttat
                                                                      267960
```

gacatctato	actgggaagg	, atttccaage	atcatctaca	aataaaatcc	tacatatctt	268140
~~~~~~~~~~~	, yaaalytatt	gatetatga	tttcactaac	Caaaatocto	casatton	268200
ggactettat	. ceyeyaatga	ı accaatttt	. ggattccada	Ctttctctct	tataa+++-	268260
accatostos	atototetag	aggaaaggct	tggcttacag	gatggctatc	gctgctctca	268320
-gouteurgo	. acgeeeeege	· cccaaaacaa	acccatctct	agaatttaa	agttacgtot	268380
aaaaaccata	atgtgattgg	totact	tgtctaaatt	atgcccgaga	gcactacgaa	268440
Ctcacccag	tcaatgatgc	tatgctatgc	tcctgggtca	tctccatagc	gtttttggtt	268500
tragetett	tacacctatt	teess	tcacctaacg	actcttctca	agagcatttc	268560
gttcagatca	tttcttctac	actosts	gtagtagcct	ctctggtcac	tttaattttc	268620
tttgcaatgc	tggatataaa	ttocctace	LLCCLLCaac	gagtttttc	aaagaaatat	268680
tcatttttag	gctcaacaat	attagtagas	22tette	tcattgatac	cataatattt	268740
ctagtcaaag	gattgtatgg	tacactacet	adictitigtg	acgttatgat	ctttgcaatg	268800
tragatogto	gcattgtaat	acctaacaaa	ttaacagactc	taacagtaac	taaagccgtt	268860
ctttcggtaa	aggagaggtt	Ctacacacaa	ctaacayctta	cacctatacc	ctctaacatc	268920
cttagaatta	ttgcgacaag	gaaagcaagg	aagcacccta	taatataaaa	gagaagtagg	268980
agaaccccta	aacctaaaat	Ctcaataaca	acttalace	cotcoastot	gacaagaatc	269040
ttatctctag	gatggatcgg	CCCtgaatgc	acticiates	atagaataat	gracticatt	269100
gtagaaatga	taggaaggct	acgatatage	Ctatogtota	ttagaatat	ccaccaatg	269160
tgaatacgat	aaggagtete	tttaagreet	gaatcaacaa	aatacettee	craaagrca	269220
gctcttaaag	acttaggcca	ggaggaager.	acatrtgcaa	aatattata	Cuggaccaaa	269280
aacactttt	tagacaaaaa	aattaaaaaa	Caaaacaaar	atacattatt	agattcgaaa	269340
ataaaagttt	taaaaagatt	aattttctta	aaacaaaata	toccoastas	acceaccaaa	269400
ctaccagege	ctatccgtat	taagacccag	gaattcagaa	ageteette	aacactgtac	269460
ccctacttta	aatctaagaa	atcccaagct	agggtcagat	agettetteg	gagtaaaaga	269520
aaaaattttg	tcattgtaaa	cttcctcttc	CCtaaaagac	acatccacct	tattattat	269580
agttaaggat	ctagtttggc	actcaaattc	catctcatcc	atcaatctaa	Capatoccan	269640
gctagggtcg	gacaaataga	gaccagccat	ggagtgatcg	atacacccac	attratage	269700
gtagcaactc	acggagcttt	aaaaggagtg	attgatcaca	acatattcc	totactette	269760
tgtaatacct	accaccttct	tcttcatcca	ggcccagaag	cagragetaa	acttagaaaa	269820 269880
ctgcaccagt	ttatgggacg	tcaagcacca	atcattacag	attccggggg	atttcaaatt	269940
tttagcctag	cctatggttc	tgtagctgaa	gaaatcaaaa	attataacaa	accidadic	270000
argreere	Lagitaaaat	tactgatgaa	ggcgcatggt	tcaaatccta	tagagacggg	270000
ayaaayctat	recretered	agaactctca	gtacaagccc	aaaaagatot	Cadaactast	270120
actattatee	ctctagacga	gcttctcccc	ttccatacag	accaagaata	CttCttaact	270120
regratedee	gracgratge	ctgggaaaaa	cgttctttag	aatatcatcg	aaaggatect	270240
ayacaccaat	ccatgtatgg	ggtaatccac	ggaggcctcg	atccagaaca	acgregratt	270300
ggcgttcgtt	Ligitgagga	tgagccattc	gatggctctg	ctatcggagg	Cadectadda	270360
agaaaccttc	aagaaatgtc	tgaagtggtt	aaaatcacca	cttcatttct	atcaaaagaa	270420
cgccccgtac	acctattagg	aatcggcgat	cttccctcca	tatacgcraf	aatcaacttt	270480
ggcatagact	ctttcgacag	ttcttacccg	actaaagctg	CCCGtcatgg	tottatotra	270540
ccaaaagcag	gacccatcaa	aatcggtcag	caaaaatata	gtcaggactc	ttccactata	270600
gaccccccg	getettgtt	gacctgcttg	tcaggaatct	Ctagggcata	cctgagagag	270660
cccccaaag	taagagaacc	taacgctgct	atctgggctt	ctatacataa	tctacatcac	270720
atgcaacaag	tgatgaaaga	gattcgtgaa	gccatcttaa	aagatgaaat	ctaagtetee	270780
tttctaaaga	ttccacatct	aaaaaactct	aatttttcca	tttattttca	aaaaaatctc	270840
taaagatttc	tttatttaga	tcacaaaata	ctctcttatt	tataagaata	aaaaaaatta	270900
actiticatia	aaaaataatt	aatttatcgq	attttaaacc	aactttttat	aaaattoatt	270960
Clacagette	ttaaaaaaaa	agggaatttt	ttatatgtcg	aaggaaagca	ttagaagtta	271020
ttetgaaatt	tctactccaa	cgccgatatt	cagagaaacg	CCCtcgaaag	aaggggtggg	271080
acataaaccc	cagcttagat	caccagctaa	agactgcata	ctcaggaata	gagtatetet	271140
adadyddyct	ctattaagat	ccattccatt	ttacggatca	ttcttaggtg	ctaaaagaat	271200
ccatagtgcc	tggtctgcaa	aagatgcccc	ctgcacaact	agagtgtatc	actacctagt	271260
ccactetaaa	gagttattgg	gactcggggt	ttgttgttct	agcgtgtaaa	gtactcgcca	271320
agaaagagag	gtttttattc	tctaaagcct	cctcgaagat	aaaacaaatg	aaatggcgag	271380
trostottec	caacctagca	yccaaagata	cggtacaatc	aataaaagag	ttctgttccg	271440
gracatotas	atcttgcttt	acaagatgtt	ccaggetteg	aaatagagtg	gtagaggaag	271500
ttcttaaaca	aaaccaaaca	gcaagagaga	ccattgtata	atctcatagt	tttctatgta	271560
gaaacgaaca	aggatatacg	acaicataat	cgcaagaaaa	ctttctcata	cttcaataaa	271620
agctgctatt	acctatacgt	agrageract	aagaaaaaag	gaatccccac	ttctcttagt	271680
gtetteeete	attataaaac	acycaattta	acaacgtaga	ccgcctaacc	ccatagcatt	271740
attttaaara	Ccacaatagc	aaactcctac	tatttat	aaaagtctta	attatgaaga	271800
aagcgctatc	aatgattgaa ttcataatcc	actttatata	accttcaaag	accutageat	tttataaaac	271860
	- LUM LEASE LUCE	-c.c.catata	MOLATTITAT	сстатогааа	arramattam	271920

gatgcacta	gttacaagta	tgaaataggc	atccaaatgg	taaacagata	Caagagetet	271980 ¹
geagaactt	. cegeegatea	LLactatgat	gacaacctoo	ttcaastaaa	rtataaaa~~	272040
aacttaayag	gactagetee	tgtggagaat	gaagtetote	tttttgagga	caataaccta	272100
cccgaacccg	Leatggegte	tataccaatt	atgggatcga	tacttggctt	addcadactt	272160
catagegee	. ggtctacaca	ggaccctaaa	gatagtaaaa	tctctataat	tttccatact	272220
gcacttggaa	lictagaaac	cctaggtcta	ggaatcatto	ttctccttat	taaaataaco	272280
attactatto	tccttattct	atttactcca	tatettetet	gttatttcat	gtattoctoc	
tgcttatagt	gattttcatc	ctatttagtt	aggttctaac	attetetatt	taaaaaaaa	272340
tttgaatgtt	cctttgacaa	gtagacgagc	aacctaaagt	treettegga	caaqaaaagc	272400
ttttttcttc	aggttacatc	tcagttttag	aggaaactaa	gacgtagaag	gaatcacgag	272460
cgaatccatc	ttaatcatga	atgattetea	tatogcacaa	gacgtagaac	gringing	272520
ccagtaagaa	gttgggtata	ggagetttgg	Ctaccotaco	ctccaatctc	aageteteta	272580
cttcggacaa	cttgtaaaac	tcagcatact	accattagg	totonanana	acacacgatc	272640
aaagcttctc	tctcgcatgg	aaacaagtcg	tttcacaatt	Catgatacat	cetggeatag	272700
cgagccaatt	ctgtaaggtg	aaaagtttt	aaaaccttcc	catgatteta	gctgtttat	272760
tgcttttgaa	ttaactcaac	ctgaagagta	tegaaacettgg	gagaagttgc	gagaattaaa	272820
taagtgtcgt	ttttgtagaa	cacaacatac	2333atata	tyggttttga	tgccttgtct	272880
agettette	ttttgtagaa tatgagaaaa	attottttct	tactttanat	tettategtt	gtgtccatga	272940
tcagtatggt	tatgagaaaa togttggtaa	acctocattt	accitigact	tatgatgata	agcatttacc	273000
gatttetet	tcgttggtaa	attatttta	acaycigtt	cttaagagat	taagaaagat	273060
accicattat	cataaaattc	tatoatorga	acgrageg	tatggaacca	aattacaaag	273120
atgacctaag	catctacttt	tatatagada	taaagattt	tttaaaaatc	ttaaaaagaa	273180
Ctaaaaactt	gactgttaat	ggtast	ttttattacg	agtttcatta	aaatgttcgg	273240
CCAACAAAA	aaagtacgat	gctaataggc	agatacagta	gtgatgacca	attcactgaa	273300
ttaaccaaaa	acaccccaac	cataattaag	ctaggttttg	ttagagataa	tctcgaggga	273360
cttaacyaacc	ctatctctga	aatcgtctcg	gaaacctcct	cttctattaa	agattccgtt	273420
tetagetete	ttcctatttt	agggtccatt	ttaggatgcg	cccgacttta	cagcacactc	273480
tecacaaatg	atcctcttga	cgaaactcaa	gaaaagattt	ggcacactat	atttggagcc	273540
ttagaaacct	taggcttagg	gattctcatc	ctcttattta	aaattatttt	tgttatatta	273600
cactgcatat	ttcatctagt	tattgggttc	tgcaaataac	aacaattaat	ccacgcctac	273660
ggcgtaatta	aattgtatct	ttttagaaaa	agacaagcgt	ataatataca	tttaaaaatc	273720
CLaaaaaaaa	taagaaaatg	aagccaaata	gtattatttt	tttagaaaat	actaagcatt	273780
accccgacat	ctttcgagaa	ggatttgttc	gtgatcgtca	tggactaatg	gaagectegg	273840
accggccacc	ttctacggaa	attacgatca	ttcgctccat	tctgggagct	atccctattt	273900
taggaaatat	tcttggagcc	ggacgactct	atagcgtttg	gtatacaagt	gacgaagatt	273960
ggaaaaaaca	agtggtttga	cacacgatat	ttggaatect	agaagttett	ggccttggga	274020
ttettgettt	agcattaaag	attctcctaa	ccaccattta	ttacttqcta	cgaggcctct	274080
ggaacgtttc	ctttatgctt	atagagatct	tttccgcact	ggtccctaat	tatccagtac	274140
ttgtttaaaa	ctctttcaca	ataaaatttt	tacttatgac	taaaaatgct	ataaattcac	274200
aaacaacaac	cccacaaccc	aatttaacag	acgcagaacc	tategetage	Catacacaat	274260
graaarcaar	agcggtaatc	attagtttgt	ttgctctggg	aatgctccta	ctctatctaa	274320
ggataatcct	tatttccata	cctattcctg	gacttgctgc	acaagttgct	ctcaacetea	274380
gaatagtaag	tttaatctta	ggaattgctt	tagccaacat	aggtttccta	totttattac	274440
ttagatgcaa	gcagttcccc	aaaaacccga	tacattgccc	tctgaaagct	ctasacaccc	274500
ttccgaggga	agcactccca	ccgcactccc	atggcaagct	ggagaattt	tagaaaaagt	274560
acaagtatct	gcaaccccta	tactccttcc	caagaacaaa	gatgaagagt.	tatcagcasa	274620
agctatgaaa	gaaggagccg	aagcagcctt	cttcaattaa	acaagetgtt	ctagaatcta	274680
cagagaaatt	aatcgatgct	agaaaacaag	aggagagccg	acqagaggct	ассававава	274740
tcgtggcgga	ggaggctgaa	gcatctagaa	aacgtattca	acagcaaatg	acaaccaacc	274800
aagaagcgtt	aagaaaacga	aaagaagaag	tagctaaaag	aaagtaaget	atttttaata	274860
gaaaaagaat	gccatactat	gcaaacaccc	tggagttcat	ccagggaact	Capacitetat	274920
greetttaat	tcaaatatgg	gtttgtaaga	caccattata	aaggacaact	agaaatcgaa	274980
gatgcttctc	acgactggga	tttcttagaa	ccccttcta	catggaaacg	Cacteteett	275040
gctgcaattc	ctattctagg	atccgtcata	ggtctaggaa	gaccctttag	caeteteete	275100
cattagagaa	ccccaggact	ctcaagaata	caagtctata	ttctqqcaca	ctctatatac	<del>-</del>
tgtcctagaa	attttaggac	tcgggattgt	agctcttatt	Ctaaagatct	tagcaacctt	275160 275220
tattatggca	atgccaggtt	taaagagagt	tgcaactttc	ctattttatt	cttaagagtt	
acaaattctt	taggcctaga	atcgtctacc	ctatectera	taatttt+	tangagee	275280
gagacataca	atggcaccga	aagcaacaac	adacdccata	addettette	caayaactaa	275340
aagaaagatc	tttgttgagc	aggagactet	accoracata	gggatcgtca	togatasa	275400
ttcttgcaag	aaaacttggt	agatagaaar	ccctaagcct	tccaattgca	cocctggaat	275460
atacagttto	attgaagagt	cctcgcgata		aggactgcct	yaggaaggat	275520
gaacagacag	attctctgat	agtagcaaag			cagtgagtgg	275580
ataaaaaato	ctaatcaaag	taccaacaca	agaaatagge	tctacgttaa	ydatatagct	275640
nctacunata	aaattaatca	tostastata	-saudiage	thanaaat	acaaagcata	275700

	gaatcgctct	ttctatttca	tgaaacgtag	gatcttcgat	taagtagtct	ccgactacag	275820
	ccgttggtgt	tgctaactgt	cctcctaaaa	cctgagaccc	gtatagatta	ttcttcttaa	275880
	totgotogtt	atactgtcct	gaagcgatac	actgttccaa	gcctttagga	ttaacactac	275940
	gtccagaatt	tatttttaaa	ccctcagcca	actttgtaag	aaacccagga	gtcacccagg	276000
	ccgggagcat	tectetttag	gataagtcaa	aatacgatgg	aaatattcca	tataagcgtc	276060
	tatatetgee	Egacgtggaa	tcgtgatgat	aaatacatag	caatgcttga	gctgcaggtt	276120
	Lagacccgcg	aataaagcag	acaggaatca	aagtaaaaga	aatctctcca	gtatcaatat	276180
	agtgettett	taacaagggg	aacacttcag	tagtgaattc	tgcacaagca	gaaçaagaag	276240
	trantttat	Lactgttatg	tttataggag	cataaggatt	ccctatggta	ggaaagtgtt	276300
	accessages	aygaatatga	gctttagggg	gtagaatcgt	atgttttta	tgtattagaa	276360
	getegtaa	aacyataaaa	aacatcgcag	tgcacagaac	taggancttt	ttattcaaag	276420
	tttctttt	tanantra	laatigetta	atagaacaaa	aaacataaaa	ttcaaaagcg	276480
	tcttttacct	ataacaccac	acaggaaaac	annatha	agtttaagaa	atccgctcta	276540
	ttattaagga	aaaaaaatca	agacctaaga	tttataatt	tcacttttat aagaaacact	tctactgctt	276600
	tatcgacatt	ttcgataccg	ttttttaaaa	Ctcaatataa	tccctgcatt	agaaaatatc	276660
	cttcttctat	gttctccaaa	taccctaaat	tatacacaac	tcgatgtcat	cettggtete	276720
	catctttata	gttgtttact	tattttctta	actattactt	ccctaaccaa	ccccccgat	276780
	ctctggttag	gagcccact	aggcatctgg	gttaccettt	tegeetgegt	tagagagagat	276840
	ctcctactat	ttttgcaaat	gatactctaa	ttggattcgc	aattcttgcc	atactatata	276900 276960
	tttcccctac	acgacccgaa	gcccttgaag	taggcccgac	attacctgaa	gragigigia	
	acaatccttc	tgcaggagga	cacagageta	cagtactatt	cctaagctta	Staggatage	277020
	tagaageteg	gtatcttact	gcttccagct	taggaattac	atcgagtcag	tettegaage	277080
	tcttactatt	gtactcatct	ataatgactg	tatacterer	gctcgtggtt	ctctctctac	277140 277200
	caggaagtga	gegeegetag	cacacaagac	caaaaatcgt	aatagcgaca	acttaacttt	277260
	aacaggcgtc	attattttaa	ctcttctccc	tatcatccta	caccaactgc	gctatgatta	277320
	ctggctatgc	tttgcctaac	tatagaacct	gctcttgccg	tggtctttgc	ttaccatcaa	277380
	accagggcca	ctttgcgcta	tatttctcaa	tttttaggag	ataaacgagc	tettactaga	277440
	gcctcgttct	ttggatcaga	atactataaa	cacactctgt	cttgggaaga	aagaacagta	277500
	cgtcctctac	gaaaggcata	taaacaggca	tttgagggga	tctccttccc	aatcaaccag	277560
	ttattggcta	tcctagttgc	tagtttttgt	aaaagtcaat	agcagtatgg	gccttcctac	277620
	ctttcctagn	natttcctca	atatatgttg	ttggtttatt	atcgtcctgt	tcatcttagc	277680
	ttttgcagaa	agccttcgtc	atttgcgttg	gatgaatctg	atcttctctg	cagcgatttt	277740
	attctctcca	gtactctttc	atattcccgt	agaatctccc	atgttcttgc	cgatcatcgt	277800
	tacaggactc	attctaatta	ttctatctat	aggaaagaga	cgaagaacta	aacgcaaact	277860
	ctaaaagaga	agcttacgtg	cctaacccct	cccataaggg	attggttttt	gaggcgtttt	277920
	ttgcttcttt	cttagcttcg	cgttcgtcac	gcttttctct	ttggttcttg	ttcatgtaga	277980
	tattctcctt	agcacgctct	aaagcttttt	gtatcagctc	atcatgtttt	aaagattcag	278040
	gagaatcctt	ttttggaatg	attttaagcg	tcttacctaa	gatcatagaa	gagaatcttt	278100
	tgctatactc	aggtactage	acctgagatt	ctatgtagag	agaaagagct	ttcttattag	278160
	gagttttett	ttcttttca	cagtggtcat	agatttcttt	gtaattgctc	tgtgtaatcc	278220
	tctcatggag	agccaacact	tgcttatggt	gggaataagc	atagatattc	aaaggcaaaa	278280
	caagaagaac	aaaaacgaga	atcgagggta	atagccaggg	aagaatcaca	tcataaagaa	278340
	Lagatgcacc	ttccagagga	gcacccaaaa	gtatagatcc	taaaacaaaa	ccaaaaatac	278400
	adadatgag	aagtgetget	gctaaaatta	tagcaggagc	cccatgccaa	atatgattaa	278460
	aggerreer	graycaagct	actttctcct	ccccagtaag	tacaacataa	cggcttaaag	278520
	aatgaggaagt	agggaccaga	ggetgtgaae	ccatgtatat	aagtgctttt	ttaaatcttt	278580
	tattttatta	trastasort	ccaaaggtct	cattgaagga	tccagaggaa	caggagtgag	278640
	antracaara	accaccatat	tattttaatt	ccctaaacag	gaaacgtcat	gaaagtcgtg	278700
	ctattatta	agcastacgt	CCSSSCCC	ctttgctaaa	gcaacaatat tctaaaagga	Cttggtagag	278760
-	taaagacaag	cactgagetg	caadagacga	acactacett	tgccctccag	gaataggett	278820
	tggataacga	tcaagaaget	atccasatc	aaaattatat	ataatctctt	aaagttcgtc	278880 278940
	attogataag	gcgttgtgac	ttgtattgat	accaaactcc	gttgacaacg	teatettt	278940
	taaagccgta	cgccaaggaa	gcagggcttc	tttttactac	atataggcaa	catchttaca	279060
	atttagaggg	ctcccattcc	atagaagttc	accttettac	aaaggtagga	aacccccaac	279120
	caaacgaaac	aaagttgtct	ttccaactcc	agaacttect	aaaataatcg	taattotoo	279120
	tggagacgct	tggaaagaag	catcctttaa	aatgacttga	ttgtcacaag	aatagcatac	279240
	acgatgagct	tgtaacatgg	aaaagcctct	atcttgaata	gaaacgaagg	Cttocootta	279300
	ccaagacttg	aacttgggac	ctcgacatta	tcagtgtcgc	gctctaacca	actgagetat	279360
	aaccgcgatt	tggagactag	gagattcgaa	ctcctgacct	tctgaatgca	aatcagacgc	279420
	tctaccaact	aagctaagtc	cccggccatc	ccaataaggg	aaaagtaaag	aatcatctta	279480
	cctatcaaga	gatttaagct	caacaaagaa	agtataggaa	aatctcacct	taatgagaag	279540
	sadadadtta	++++>>+=	~+~++~=~~=	200+2+002+	2+222+++2		270500

******	~ ~ <del>~ ~ ~ ~ ~</del>					
tararet	y cttccaate	c tegttacted	gtgattctaa	a aggatgaggg	g agaaggátat	279660
		g Cualaticai	- ACCATACCE	· ^~~~~~~~~		279720
	- ~	- yyatacaati	LEFOTARAGE			279780
		· ycaaccaaac	: CCCCCAtta:	. ~~+~+~~		279840
	~ acacccacy	4 yecttcaaaa	L OCECTTORAT	· ++~++~++-		279900
	- gootecacge	. ayaattucct	. CCCGatgaac	. ctc=ata=t	·	279960
	· gcccggaact	- CCaadlCili	CARAMARAM	· ~~+~~~~		280020
	- cccagaaac	- gauacuciio	CAAAAACCCC	· >+^++		280020
3 3	- waccagaac	4 agalectacte	Catorriaan	「 カカトハコヤコトトっ		280140
		· ggccaaaaa	Cadaaactac	. aaaatatte		280200
	· acadacccc	· ugudddata	gagtetttt	actatrara	2222	
	- uccuccaaaa	. yaaacgggag	Laaccccano	taaaggaaaa	· ·	280260
9	, aggactetgt	· LLTECTTCTA	Gaatagtgaa	attatoacos	~~ ~ ~	280320
	, ugugctaaya	acaagaaaca	gaaaacgacg	Cataagaaat	***	280380
augueu	- egululugua	Legialada	aaaagateta	rtaaatamaa	++	280440
9-00-90	, ceretalian	Cictagatac	LCCCttaaac	- tottottaaa	* - + - + + · ·	280500
900000000	. gacacaccca	LLLCCactac	Lataaaaata	Ctracasasa		280560
gattttcaaa	tcgggagtct	caagatgaaa	gaagatccca	atctcttcaa	Cacagagtac	280620
tcgagaaatt	cttagcaaaa	agagaagaac	trtacceaaa	accectegaa	cgtaagacct	280680
tcaagaatta	gagettteag	atocctaota	tattgagaat	aacatagtee	ttgcttttc	280740
caacccggca	atggttctta	aaacacaaat	CCaaaatata	acaacaaaa	aaaccattgc	280800
ctttttcact	gaagaaggaa	teattettaa	Frencetate	gaalcttaca	gactcacttt	280860
agaaaacgcc	tcgtattcrr	tatccaage	Ctctcgtatt	ccagtaattt	taaaagactg	280920
gacttgataa	tcgtattctt	ttaccaaaat	cigaggatte	ttattcttat	aaaccataaa	280980
aacaatccaa	agagtgtgat	CCTTOTAGG	Caacatecet	ctgaaataaa	catcttcgca	281040
ctgggattca	aattccaaag	ccttatggcc	Ligaatetge	cttgcttgca	tgaaaagaac	281100
acgacttata	gggagagcct	gcatcacgcc	tgaaaacccc	tcttgcagat	tgagctctgg	281160
togatoacto	tctacttttt	caggatactc	ccaaacagag	actacataca	cagtgttgtc	281220
-334634366	ccigicacat	agguateata	acqtatqqta	atctctcatt	~~~~~~	281280
cacaacccgc	cccgaacgat	caggeteece	aggaaattcc	acaggagaacc	C3C33C+++-	281340
og ca cag cca	Lagugiett	alydaagact	gtetttaact	aataaaatta	* > < > * + + + + + * * * * * * * * * * * * *	281400
organic ccc	cccccgaga	accatectt	gactttccct	2222222002	atttamatta	281460
94000000	ccagggatag	ggugaaaagc	Laaaatcdat	actactates		281520
ere e e e e e e e e e e e e e e e e e e	cucuycaaca	Laataaacta	aaaaacaaaa	Caadataact	2224424	281580
undocceecg	agatttttat	LLLYLadaat	aaaatacttt	tttttcacaa	222+22222	281640
	LLLalaaal	gcatcacaat	aatectoota	atattaaaaa		281700
egeeaggeae	cccccacga	agccggaaga	gtctgagtgt	ctgtgtattg	Gagttttta.	281760
	uacaycayco	quiaticaga	aaagccfffc	actabasetes	5 to	281820
CCCCCCCCC	agaacttatg	agaatgette	ccaaagttet	Ctattagara		281880
-go-accegac	gaccaycaca	llategacca	COLOACTOAL	tttaataatt	- +	281940
9-00000000	acatgettea	acggcacaga	acqcacaggt	gaagtagcta	Canade acts	282000
ora caaage c	gagactattg	LadaLattca	aggtgatgag	ccttgtctaa	2 t t at ~ a ~ ~ *	282060
egeegaegee	LLGGLCCaga	agttgagaag	ttctcctgaa	gcagaactgg	tasataatat	
ggcactcacg	acayatcgtg	aagagatctt	aacagaaaaa	aaantaaaat	~+ ~+ + + + +	282120
cccgaggga	agggererge	actitagtcg	cagtcctaff	CCttttatta	++	282180
auceceagea	Lacetecata	ttggagtata	tocttttaaa	adaggagete	++++	282240
cucugua	caneceanne	cctcgtaagc	gatgccgaag	atcttgagga	~ + + ~ ~ ~ + + + -	282300
ctagaacatg	yayycaayat	ccatgtgtgt	atcotagato	Casasacton		282360
caccagaag	acatagetaa	agtagaacaa	tatateacat	accttta	An and an an an an an an an	282420
caacaggagg	agetgtete	LCLLLaggaa	aagggttaac	accaccatca	at	282480
coccagaacg	LLAACYGCLL	aacquitqcta	COLLABORATE	aratacatat		282540
acceaggaac	Largaateee	tttqaqcatq	Gagaaatcta	tattagaaat	manager and a second	282600
~5~cagaccc	-gateteggt	Cactatcata	CATTCTCTTC	tactecaset	An - A	282660
caagtgccac	ttcaggtcaa	atttatoctc	gtgtgatta	rgergeaere	tctagacatt	282720
atctaggaag	cacggtacaa	gtcatcccac	acattaccaa	aagagagcgt	gagggtgatt	282780
tagacgcagc	taaagagcac	totocagato	ttettattat	ryadatCatt	caagtcattt	282840
gagatattga	atctcttccc	ttcctagaag	caatto	cyayattgga	gggaccatag	282900
aagattgtct	aaatattcat	atgacttat~	tecestate	accoggtat	gaccattccg	282960
aaagtaagcc	aacocaacac	tocatacas	CtCtccattt	acaggctgct	gacgaagtta	283020
cgattctato	aacgcaacac tcgttctgaa	aaacctttan	ctcacgtgg	tattggcatc	attcccgacg	283080
tttgcaatgr	teceaseee	acadtatet-	acattate	taaatctaaa	atcagtctct	283140
aaatgccttt	tcccaaccgg	Caadadacac	ttaaaaa	tgtaaaacat	accatttatg	283200
tagctacoor	gatgcttgct	cttcatcac	cryccaattt	cataggggaa	a <b>agttaaa</b> gt	283260
atcttcccaa	tccagaaaat	anantante	yyagggtact	ggtaaatcag	ctatctcaag	283320
adtccatatt	ggtaaaaatt cgaagcactc	actoatore	yyaagtatgt	tcaacaccga	gatgcctata	283380
		est tireart		3777 C 5 + 76+	~~-~~-	2224

						711196/01090
tecetattga	tgctgaagat	gaaaatctta	ctatggaact	ctctcaatgc	gacgcatgtt	283500
tagttcctgg	aggettegge	gttcgtggtt	gggaaggaaa	aatcoctoca	gctaaattct	283560
grcgagaaca	aggcattcct	tattttggta	tttgcctagg	aatgcaagtg	cttattataa	283620
agtatgeteg	caatgtctta	aatctggatc	aggcaaattc	cctagaaatg	gaccccaaca	283680
CCCCCCALCC	tattgtatat	gtcatggagg	ggcaagatcc	cttagtagct	acgggaggca	283740
ccatgegett	aggagcgtat	ccttgtctat	taaagccagg	gagcaaagcc	cataaagcat	283800
ataacgaatc	ttctctgatt	caggagcgcc	accgccatcg	ctatgaagta	aatccggatt	283860
acatacagag	tttagaagac	cacggettac	ggatcgttgg	gacttgtcct	ccaçaagggc	283920
aatttatata	tattgaagtt	Leggateate	cttggatgat	tggtgtgcaa	ttccatccag	283980
tagtotatto	taaactcatc	receeeate	ccctatttat	cgcatttata	gaagcagctc	284040
atagactacg	taaggatgca	agccatgtet	aagccatcta	gttgcaaagc	ataccttggc	284100
ctaccgattg	ggaaaaaacg	accagataaa	gootatgeag	ccgaacccct	cctattgaca	284160
aagattattt	gaaatataga taagtagaaa	tataacttot	aaccttaagt	tgtcagcaga	agctcttcat	284220
aaaggtettt	actcatctct	acaaaaaaa	graycrcrag	ggaateceet	tectatgeaa	284280
ctttctacgg	tagaaatcat	cctatagagaa	geeceettae	ctgctgagga	gcttaagaag	284340
atottaaago	aagattgtgg	actaaggaga	aaacatccca	azaazza	ageggaaegt	284400
gctgcaacat	taatcttaac	aagttttcta	catacettac	ctasasasas	agattccctg	284460
tcatcaaaaa	ctacgggatt	traarttrag	aaacttttta	Ctadadadct	aaccttgtaa	284520
tgcggggaca	aaaaaggaga	taaaaatgac	gatgttgt	Caccagaga	tractan	284580
gaattcccca	cgaacgtgcc	ctccttgtat	tttagttatc	tttggaaacta	caggiggatt	284640
gacggcaagg	aaactttac	ccactctata	tcacctcact	aaagaagga	ccggagatet	284700
ccagtttqtt	tgcgtaggat	ttgcacgtcg	agagaaatcg	aatgaaggac	tecacana	284760
gatgaaacaa	gctgtcatac	aattttctcc	ttccgaatta	gatattaagg	tataggaaga	284820
tttccaacag	cgcctcttt	atcatcoctc	agaattcgat	aacaatataa	catgggaaga	284880
tctcaaggac	tccttagaag	atttagataa	aacgtacgga	acacatagg	atcatatat	284940 285000
ttatctttct	actcccccc	aatattttc	tagaatcatt	gaaaatttaa	araaacataa	285060
gcttttctat	aaaaatcaag	accaagggaa	accetoatec	catatcatta	Tagaaaaacc	285120
ttttggaaga	gacttagata	gtgctaagca	acttcagcaa	tgtatcaatg	agaatcttaa	285180
tgaaaattcg	gtctatcata	tagatcacta	tttagggaag	gaaacggttc	aaaacatctt	285240
aacaacacgt	ttcgccaata	cgattttcga	atcgtgttgg	aattcacaat	atatogatoa	285300
tgtccaaatc	agtttgagtg	aaacgattgg	cataggatct	cgcggcaatt	tctttgagaa	285360
atctgggatg	cttcgggata	tggtacagaa	ccatatgatg	cagctactct	gtttactcac	285420
tatggagcct	cctacaactt	ttgatgctga	tgaaatcaga	aaaganaaaa	tcaaaattct	285480
tcaacgtatc	tcaccatttt	cagaaggttc	ttcgattgtc	cgaggacaat	atggtccagg	285540
aacggttcaa	ggagtctcgg	tccttggcta	tcgtgaagaa	gagaatgttg	acaaagattc	285600
ccgagtagag	acctacgtag	ctttaaaaca	gtcattaata	atccccgttg	gcttggagtt	285660
cctttctatt	tacgtgcagg	aaaacgactc	gccaaaaaat	ctacagacat	ttctattatt	285720
tttaaaaaaat	caccctacaa	tttatttgca	gccgaagaat	gttcacgttg	tccgatagaa	285780
aatgatttgc	taatcatcag	aattcaaccg	gacgaaggtg	tcgctttgaa	attcaactgt	285840
aaggttccag	gaactaataa	tattgtccgt	cctgttaaga	tggacttccg	ttacgacagc	285900
tatttccaaa	ctacaactcc	agaagcatac	gagcgtttat	tatgtgattg	cattataggg	285960
gatcgtacgt	ttatttacgg	ggggggatag	aagttatggc	ttcttggaag	ctttttactc	286020
ctgtattaga	ggagtgggac	caagattcct	caccctcgtt	tccaaactat	cctgcaggat	286080
cttcaggtcc	taaagaagct	gatgctctca	ttgaaagaga	<b>cggaag</b> aagc	tggagacctt	286140
tatagacaat	cttatacagc	atctagaaat	cgataagcat	gacaaacata	gggattgaga	286200
ctatggcaac	actgataaat	ttcaatgata	cgaacaaact	tttgcttaca	aagcaacctt	286260
cccatttat	agatctagct	agtaaagatt	ggatagcttc	tgcgaaccag	gcaattaagc	286320
aacygggagc	attttatgta	gcattatctg	gaggcaaaac	tcctttagaa	atctataaag	286380
ataccyttat	caataaagac	aaacttatag	atcctagtaa	gatttttcta	ttttggggag	286440
tecatanta	agctccgata	acategteag	aaagtaatta	cggccaggct	atgagcattc	286500
ceegegattt	gaatattcct	gatgagcaga	tetttegaat	ggaaacagaa	aatcccgatg	286560
ttatattaa	ataccaagaa	citatagaaa	ataaaattcc	tgatgctagc	tttgatatga	286620
tagaaaaaaa	actaggagaa	gargyrcaca	attotatta	tttttccaat	acctcggctt	286680
tgaccttaac	aaatgacctt ctttccttgc	grayuctită	account to	acatctagaa	acagaaagaa	286740
aaaataaaa	gcctatcctt	aaaantotot	tottttota-	aggtagettat	gctcaggggg	286800
atcctataga	gcgtgtaggt	adddaccact	cacctctatt	ayycagagaa	gaaaaactct	286860
cttatgatat	agcagacttc	gataatatot	cttccatate	taaaataar	ccccagaat	286920
aaagataggg	gttgcgattt	agccgtagat	agtatcgtas	accaaacyydc	accccctaaa	286980
aggagcacta	ggcatggtag	gagccgtagg	gtatectoch	ccapaatooo	stoctocasa	287040 287100
gcccctccc	ccaccaaagt	gacttcctcc	aaaattacco	Ettectecte	ttctattcta	287160
ataatcagag	gagcctccat	aatgctgaga	tggtcgagaa	CCtccaccac	gageteetee	287220
++/22/+22/	trarraantt	attantana	naananntnt	Costastoso	3-30200000	207220

t *** *** * * * * * * * * * * * * * * *						
agratasat	aggtetett	g ccaatgcat	t tgtttggaa	a tgagagggai	catgtagcag	287340
						287400
						287460
						287520
						287580
						287640
						287700
						287760
						287820
						287880
						287940
						288000
						288060
		· uuuuuaatau	. doi:racrocc		A .	288120
<b>3</b>	-3-3944399	- Magaglacca	LAAAATaaaa		i i	288180
						288240
						288300
						288360
						288420
						288480
						288540
						288600
		- Cucuaaacacao	ACTECECATES	C++~		288660
	335~~~~~		LCCatactcc	* ~ ~ + ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	288720
-		Caaqcactt		~~~~		288780
		- Lacataca	acacastact	~~~~	4 .	288840
~ ~ ~		- CACCACACAC	duaadcaadt	2222222	4	288900
	3	Carcaca	CCCarcate	~~*~~~~	A- A	288960
		acauaucaaa	aacaaaacce	30334455-		289020
		ycacaadaa	aarraatoto	~ ~ + + ~ + ~ + ~ ~		289080
	3 443466	ayycydcadc	CCCCCCCaca	~~~~~~~		289140
		aatttataac	CECAGEGEGG	arratta.		289200
	~ 5 o o g a caaa	CCCCatatoc	agagrageae	22224444		289260
						289320
333	3 - 3 - 3 - 3 - 4 - 4 - 4	aatttuttat	F 22 C 2 2 C 2 C C	~~~~~~~		289380
		ya caaaccat.	EFFCAAGCTG			289440
		- Lactatatt	LLECABATCA	たべたったったとっ~		289500
J - J	-ggggccugga	acactttaar	CCCAACAA+c	*		289560
- 5	gyradagata	CLAUGACGEC	acadacetat	atattama.		289620
	3~~3~~~	aaaccacoor	ACACACAS	+ + +		289680
		gucatttt	attraatoca	20022222		289740
	magactic,	LLLCLAACGA	adcdadctca	+++aa++aa-		289800
	coegecaacc	uaauaai.coo	CCCCCCCC			289860
3-3		Lacutudaar	Caraaatccc	+	A. A	289920
2223446		CaauLauara	addaaddca			289980
3.3	agace caete	CCCCCCAGG	T A A A O C A C + C	~~+~~~~~~		290040
	~5~~5~~9~0	acadadeee	raaaateaac		A. I.	290100
	9	ua Lacadear	20121666200			290160
	cccaccacca	Laalctccrr	MAMACATTAL			290220
	-333	Lyayaaaaii	Mararaaa	30335555		290280
J	ggaacaaaaa	LLCLaaccer	TCCCCctcta	2++22+		290340
	actuctagaa	actacterr	Attoutecat	~~~+~+~~		290400
	gaaaaacccc	Latetarant	rarraccast	* + - + +		290460
	caggagatat	aalaaaurar	CELBBBCGPF	** * * *		290520
		uu LCCCLATA	2 F C C C C 2 2 5 5 5 5			290580
	4-23	CLLLUGICCA	A A C A A C C A F F	~~~~++-+-		290640
22		auctucaara	CACCESTES	~~~~~		290700
	c cac cacca c	Caadacaaca	aaaacaacta	Cacaaateaa		290760
22233	3~~~~~cccgc	aactayayct	actiticated	~ = = ~ ~ = = + ~ +		290820
tttaataaaa	acacatgata	accaacagaa	caagccatta	ttatcctccc	tttaacaaat	290880
tactatttcc	aaactaaata	caaacaccc	acctactaaa	aaaaataaag	ttatattctt	290940
atttacagta	ccgttcaagc ttttgaaaag	atatatant=	CECCECECE	caattttctt	gtttttctat	291000
atccaattct	ttttgaaaag atcagaatgt	anntanaata	tottaggga	aaatcttggg ;	actcataacg	291060
						22442

						1/10/0/01090
aggaaaagto	cccctgtttt	accccatgto	gtacgaaaag	g tattgttaag	tttccctdat	291180
	- ucggegaege	· caatttaagg	aacarrooaa	attactasaa	~~+~+	201010
	, aaaccccaa	gulcaddcaa	aggaacccaa	, fotoaatato	++~~~~	201200
	· ccccacacca	gractogoga	Litattaada	n occattatta	~~~~~	201260
- TOUCCUAL GO	, accedangect	adagectace	tagataaggg	r tacttttatt	CCTBCTTTT	201420
	. udtactyaaa	yaaaaactgc	aaaqccaaqc	: ctoctctaaa	anatanate.	201400
ccgacgggct	. cccyagaacc	ttagatcagg	cgcatcttct	ggatagtttt	cttatoone	201540
-ceaceceae	. ctacacygig	altiticitad	agatttctca	adacdadate	++========	291600
cgcgcccaag	acticities	ccctcctgtt	cgcgtatcta	Caacacaact	Cacconno	291660
coguacycc	. agactyttat	gracetttaa	Lacoscotte	tracrataca	G G G G G G G G G G	291720
ccaaagaaag	accaacaaa	tatcaagaac	gcacagetee	tattattacc	tattataaaa	291780
goocagggaa	getatgtagg	gullattata	aaaacaaaca	ggatettgtt	+++	291840
eccegaaacg	catttataaa	Lagittiti	tccttccaaa	gaaaagtacc	gaattgaage	291900
gaaaaaaacc	cacccagaac	Cilgicitaa	acttotcaga	aggaaattat	G222C2C+C+	291960
- caccacte	cecere	Lyatttttc	tCtaaacaag	gtgctattga	aactcaacta	292020
ceceeggag	agegegeeee	aytcaaaggg	agcacctact	atgcatattc	CCaattatta	292080
cacaacgage	igitalggaa	gccctatcca	ggtcatagct	ttcqttctac	cctactccc	292140
egcacecety	aatttcatat	ccatccaaat	atttctataa	tttctataa	+~~~++	292200
gacccccggg	ggaldddidi	teettttgga	actttactcc	atgtgaattc	traaaataaa	292260
9 ccarecec	ccaaggacat	LCLCaatcat	atgaacacca	tetagaacte	CCCC2C2C2	292320
caatgegate	clagacatet	acgtcgtcta	aattataact	tetttaetaa	201111	292380
adagacycay	accuttact	gaactttccc	tatqtatqqq	gaggacggtc	tatacacan	292440
ageceggaaa	agccgggtgt	tgattgttcg	ggatttatca	atateettta	CCaddcadaa	292500
ggatacaacg	cecctagaaa	cgctgcagat	caatatgcgg	attotcatto	gatetetage	292560
cccgagaacc	tteettetgg	tgggttaata	tttctttacc	ctaaagaaga	aaaacatatt	292620
cccacgita	ryttyaaaca	ggatagttcc	accctcattc	atgettetgg	tagaaaaaa	292680
adagiggagi	accidattet	agaacaagat	gggaagtttt	tagattcgac	ttatctattt	292740
cccayaaaca	accayagggg	acgggcattt	tttgggatcc	Ctagaaaaag	aaaagcottt	292800
ctytaataay	aaaggctttt	tccaaaaacg	attcgaaaaa	Cootaaatat	Cttaaccatt	292860
agagaactyg	aagcttttac	gagcttttt	atgtccgtat	tttttacarr	Ctttccttct	292920
aggacececa	graagaaccc	gcaactctt	aggtettgte	tattetete	attttcttt	292980
aagagagete	grgcaaggcc	taatcttgta	gcaattacct	gcccttgaat	ccctccacca	293040
Cicacacgaa	taattaaatc	gtattgactt	tggtcttcta	taatttttt	capaddada	293100
agaactgtag	ttetttgaat	ttccaaagga	aaataatctt	caaaagactt	accotttaca	293160
ccaaccccac	Cacttccagg	tcgtaaacgg	acqctagaga	cagcctgttt	tettetacet	293220
grayctacag	accettgtat	tgtactttt	gccacaactc	atcctaaarr	aaatatotaa	293280
caaaaccggc	ccccgagact	caaaagtttc	gtatgaatcc	ccttttacaa	teettaagga	293340
CCCCaaccgc	LLCLLCCEA	agcgagttct	gggcatcatt	cccttgatcg	catoctcaat	293400
aatytaatta	ggttttctcg	ccatcatatt	ttcaaaagga	atttctccca	ttccagagat	293460
acaccccgcg	Laglagegat	agatttttg	gcctttctta	gctccagtta	adcdaacc++	293520
cccgcacca	acaacaataa	caccgtctcc	catagccaca	tgaggagtat	addtdacttt	293580
arguitgeet	Citaaaattt	ttgccacttc	tqaaqaaaqc	Cttcctaagg	ttttcccacc	293640
agcaccaaca	acataccatg	acttcgtagt	ttcactggac	tttactatag	ttattttt	293700
greerreer	ttttccataa	taatgtaact	gtcttactag	agaggggat	tataantoto	293760
tteestast	LUCCAAACA	aaaacagccg	aaaataacaa	gtctcttagt	ttaaaaatat	293820
Cattongaga	ccctttcgt	acaattagca	gttttttctt	aacggctgct	gatataaaag	293880
acticagaca	togectaaag	ctagatctca	aaaatatgga	tttatcttga	aatcagaggg	293940
agegetteet	caagagttat	gaaaaaatag	cttgccattg	gataagactc	cttccctaga	294000
ttattata	gegaggegee	tattatgtgt	cacaataaga	attccacata	atgcggatgc	294060
ctcatctacc	agaaggttat	gaatctgttc	tgaagtctct	tcatcgagat	tccccgaagg	294120
tttttccct	catantant	ccggttcgtt	gattaacgct	ctagcaatag	cgactcgctg	294180
atccaagage	totagagaga	tagagcagcg	agtccgtact	ttgtcttcaa	gattcactaa	294240
aattagage	ggcattagg	rggtatatac	aggagatect	ttagatatgt	tttttcgagc	294300
ttagaagaca	aacccatat	cattlettaa	tactgtgtcg	tcttctagca	aataaaaatt	294360
Cttatcaaaa	aagcotaac	ttcca~aa~	aaaattcgca	agatcctggt	tttttagatc	294420
tagogtager	traccatter	ctgaggaga	aggaacatcc	aaagttccta	agagatgcaa	294480
tgataacgat	acateggees	aaatamanat	rg caatcgat	atagtttctc	ctgcatgcag	294540
aaggttttta	acttctatas	uuatayaaat utaaddaaa	actitiggitic	tgttgctgga	tagttttaga	294600
tgcattttta	coacttttct	tacaaacac	ayctaatctg	cttttaaaat	ttctgagaca	294660
cctaacccta	gaaaataaat	acctcccc	tannaanti.	ctgcggctaa	aagtagcgta	294720
aaagcagtat	taaatottto	tetteet	agatortat	tgggaagatt	ctggccaaag	294780
aaattttta	atgtaattat	agcgaatato	aaatayttea atteetata	gtgcttttac a	aatgaattgt	294840
aatoctccac	aacaadcaaa	matmatcht+	aaacttoota	ecactccaca a	agctcctgaa	294900
						2010EN

						/1B98/01890
agaatgcct	a tttcctttt	cttattatt	acaaggagc	a togacatagt	cacgatgttg	295020
						295020
						295140
			. LCFarrratt			295200
						295260
			1 22522246	~ ++~~~~~~		295320
		· gacacaaci	. ULATATEMAA	,		295380
J .J			. acrttataa			295440
		uucauau	. UCCCCCaaat	· ~=+~~~~~		295500
		Luualliaai	ICCCCCCCCCC	· + - + + - + - +	4.4	295560
		- YYAAAUCLLA		, ++=		295620
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	auauau	ULTTTARtat			295680
		GCGCLGGGAI.	- FORBOAR SAC	· ~+~~+~~~	ALAL I	295740
	, garecetteg		- agatcacant	· Cttttaa+~~	5 5 6 to auto to to .	295800
99999	- ~accadric	ayyattalaa		' ataaaaaaaa		295860
	. cegtagtgta	guladaada	CEGGAGEGEE	· +atatatt		295920
J	. uuguguugga	gyyaayaata	graattogao	. aatomaatte	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	295980
	. ceegeceetaa	acculudato	actoaaataa	22201212		296040
	· cgatacccac	ayaaaatagg	gagactatao	·		296100
		agulactoda	aattccaact	tratracted	<b>+</b> +	296160
	gaagegagea	yttaagtacg	atgaaatcct	tttacctacc		296220
	gcagttt	LCLatCatat	LEEEEcaacht	Ctagtcgacg	+ ~ + + - + + + + + + + + + + + + + + +	296280
	ucugueca	gracatatea	gaacrttccc	コペクセセセセーュー		296340
	egettgetat	ggalgagtcc	EEEEEaagaaa	atantaaata		296400
	cccaaaaay	aalcaagaac	LCTCCCaatc	2112112		296460
3	agettaggat	CILLCAACEC	agttatttcc	aaaaataaaa	++an++++	296520
	egetetegga	accitiquada	tagegaagte	atoctago	++	296580
9999	gugiciacia	atgaaattga	agatochoac	tatttaattt	**************************************	296640
- 5 - 5,	uddagigila	yayatgaaqc	taaagattar	Ctagaccata	t > > t + +	296700
	uucgccaaaa	LLaLlulaac	Logatocato	acttccaaco	2022	296760
3	eggaegeeac	acalccatta	CCTactacct	tetaaaaata		296820
	a c c gag c c c c	ytydatetta	agaaaaaatc	tetacaaaaa	~ · · · · · · · · · · · · · · · · · · ·	296880
2	getttaagat	auculicac	accaaaacac	tatacatata	*	296940
-3-3339-	agaaaacytt	gractetee	tattattcch	tecattanan	~	297000
	ceggaccaaa	LLCLLaaaga	attccccatc	Cttotaaaca	20201010	297060
3 3 6 6 6	cegatagete	advacctagg	agattatoga	2200210101		297120
geogeag	ctagaattat	tattacatga	gttactgaaa	dadcctaata	3++3++	297180
3-33-59-59	cacccacacc	CLUALUAAGE	dadtdatddc	2tt2t2c2t4	<b>4 + - 4</b>	297240
		acquagatat	TCCCTTacad	Cacattaacc		297300
	cyaagaacga	CLLCLaddda	gcaaarccta	aratteet		297360
-300009900	ccccaggic	atatecerte	ttctattatt	ataaatttaa		297420
ggaagaa	cccayyayı	tagetgattt	tattggtgag	aattaaatta	3 + 2 2 + 4 + 4 + 4	297480
	Lucticiagy	aaucgaatac	CCCGGCAGC	Waactoonto.		297540
-5uuug c c	adagaattga	ggttgaaaat	tctatctcaa	attragaaac	~~~~	297600
uuucuuc	cayaayctca	ttgggggaaaa	aatagaagca	Ottobbe and was		297660
-yacacgaat	CLLLCACLCA	ctgcaaggtt	Ctatogacaa	actectesse	At	297720
	aacgaggcga	agettgttc	tcattttaga	gaaagatget	ttntn	297780
gggact	gerggeracg	accutotagg	acatattata	222224040		297840
	actagcaaag	cttagggtcc	tataattaar	taacaaaaaa	0333abaaa	297900
ccaag	addadttttq	cactctaaaa	ctataacttc	mattttan.		297960
	caycacaaca	tuttuaacaa	adccactdca.	ttaataataa		298020
	aacacgccqa	Catageraar	tcaattctta	tatasaasa	A	298080
-garagee,	Catatgetae	Caaaagaaga	teceetecte	+		298140
aatcgcatca	tcataaaaat	rgaaaracga	aagagcctag	gaatagaagc	acttgcttga	298200
	Lucaaguuug	actidagted	araraaataa	CCC>>++c-+		298260
- 5 - 5 - c - g u c g	curgatigaa	CCCatcccaa	ggtacattga	Ctcccccc		298320
3-40	argululu	uaaadadcaa	CTCCCCCat	aataataa	make a contract of	298380
-33	ucaayycaca	Lactorcoan	greactcaat.	3++33+3++		298440
33	ccccaaggag	LCLLgataag	aaaaaaaaaa	attenations	++	298500
-33	Cucaycatty	addarra	Cactcatate	~~+~+++~~+	`-	298560
tctctgtage	gcatatcagt	CCaatacteg	Catcaacaaa	atttcctaaa	acttgagtat	298620
tgattgattc	aatattctga gatgttaaat	Coalcagead	taggetet	Cttttgctca	tcagtaaggt	298680
tagatataga	gatgttaaat	estateacea	cayyaatcga	tattgttatt	ttttgtgttg	298740

gaccacatgt	ggatagagac	ataaggttca	tccatatcgt	gctctctaag	ttaatccaag	298860
gatagicata	aggaggacta	gaaaccagct	ctgttacact	gaagattgca	attacadeda	298920
cactegrace	, ytcactcgaa	taacctcctc	tagtatorga	actacaaacc	==cattt==t	298980
tatttttag	yacaaaatta	agaattagag	tggcagaatt	atctccgtca	tattatccac	299040
occacca ca c	- gayccycata	yugacttgat	agatecegae	- ttattraaat	ttaaccacac	299100
gctcaatato	tgcatatctg	ctgaagtcag	gggtcgcgtt	acqactcaca	Cttttagagg	299160
tgatagctgo	aacatgagtt	tcaattgtag	tattagagag	aacataataa	CCattegagg	
gataatacgt	atagagattc	gcagcctgac	atccagtttt	tCtataataa	Ctarretas	299220
gcgcatctcg	agcagactga	ggatcactaa	tattattoca	tactoractt	tagatgtaa	299280
ctgtcttaga	atagatatta	aaaccotcao	acactetact	caccyyaget	Lycgatacgt	299340
ccgcagacac	attaccette	acaataaatt	Cacatorace	agcattaagt	tgagaacctt	299400
tgagatcccc	agtctctaaa	ttattttcta	ttcttacatt	agtegegea	tctaagactt	299460
cttgatctat	aaataaatto	tgatctttga	ccccacac	collegaca	ctgagagttg	299520
ggagtcgtcg	aaataaattc	attracetat	tettt	tttcattggg	atttataggt	299580
catecagata	gtccaaatat	gerecettge	cgttttatnt	ttttcataac	taccctctat	299640
tactgagata	atagagaaga	gaaaaggagt	aatteeetat	acctgcacta	gaaccaccgt	299700
gagetacate	gaaaataccc	getetatage	gatccgaagc	attcggatca	ttaggattag	299760
ctccaccact	tacagaggct	ctatatattg	aggtccccag	tgtacctatt	gttgcatacc	299820
tractortes	ataaatcgtg	ctttcacatt	ggacttgtcc	taaaccatta	ttgatataaa	299880-
tggctcctcc	ccaaccatta	ttccatcccc	accgtttacc	aacagtaaat	gaaacgatat	299940
aggilectige	tgcaagaaat	tgtatcgcag	tatttccccc	tacagttaat	totogtatac	300000
LLLGCLLCCA	tectataaaa	cgaaatatac	tatttacatt	acqtqactqa	tatagagtat	300060
attecgaace	agtcagaggc	aaataagatt	cccctgagtt	aaaatcaaaa	tetecgatea	300120
gaggcttgga	acagaaaaaa	tattcgggag	aacgaacata	attcgctggc	accogatege	300180
agtettett	tggcaatgca	caattactca	gacgattatt	tttaaaatct	atagagattt	300240
gggaggaagt	aaagttttgt	gcatttaaat	tataagtagt	tcctgaagtt	aatccagttg	300300
ctgaaacttg	atctttaaat	gttgcattcc	cctgaacaga	aaatgtttca	gtcgatgaga	300360
ttccttgggc	ctgtgtatca	aaggtcttga	gattggctgc	taacaaatca	Coatchacad	300420
ttgagtctaa	tttaaaatag	cactcattat	tattaatatt	atttttcata	ataactttta	
ataaagttta	atttatcaac	tcaaaatcaa	attaaraara	ttaactcaaa	ttattaaatt	300480
taaaatatag	aaaagataag	aatcagaaaa	tattcaaact	taacaaaaa	Cattanata	300540
aaatgagtgt	gaataaccgt	aagaaataga	acceactes	tataaggaaaa	tarratea	300600
agcatcqtta	gtttctaaca	atacttqqaq	ttccatcatt	attanggada	regadeteca	300660
actatottcc	aagaaaagaa	adadectggag	aaccetcaaa	acceaegea	aggcaaggca	300720
aagtaaccat	tattttgagg	atartatra	aaccccccac	cagetetatt	ctggaaagta	300780
taataactgg	tattttgagc	actiontants	acycaaacta	cctgtaaagg	acgtgtttca	300840
ccttactcat	accetetaga	ggccgccatt	gcaagatetg	tgacatttat	cctccctccg	300900
gaaccatgtt	attcattcgc	cyclaayaya	atatetgete	ctgttccgtt	atccaaccaa	300960
fccaaaacca	tagccataat	aacactaata	cgaaaaagtt	ttggcacctt	attatttact	301020
tgagttgacg	atttagttga	gccacccggg	ccaatataaa	tctctgttcc	tgatgtttt	301080
cgagetgacg	tttgatcgaa	cttattccaa	gggacataac	ttccagatgg	aacacttcca	301140
tantage	accctgatga	atgagcagct	cgctgtgcca	tcataatttg	cgtacgttta	
Laatacccga	aaggaacata	ttcttgaggt	ttccctgagc	tcatttttc	atagtcggta	301260
argrettigte	cttgagaatt	tttataagac	aaaggtgaat	tagataaatt	taagcgacca	301320
ccaaaaacca	tgctattggt	gcttgtaggt	ctgatattta	tatctttttg	tattotaaga	301380
tccgattgac	aagtcagtcc	gccgtctgta	caggtgagat	ctcctctaac	tacagtattt	301440
tctgtagtta	cttttcccc	aacagtaaat	gtcgtttttt	tttgatcttc	agtcaaattg	301500
atagattgaa	tattaaatct	aacaaaagtc	ggaattgaaa	tttttattt	caatataaaa	301560
tttgacatta	atctacctcc	gcaaaattag	cttgaaatgg	aaaccaaata	acacatotto	301620
acatggattt	aatatctaaa	ccaatagtag	tttctaagaa	taaccaaggg	taatcatgag	301680
ggggggtagc	aacaatttct	gttaaagtaa	acgtgcctgt	tacagcaata	.ctagtcctat	301740
greereerga	gtaacctctc	gtatctgaag	cacaaagcag	cotcttatta	ttcccaatca	301800
ttaagttcag	atataaatta	ggattatcaa	gtccactatg	ttacccactc	tcacaacata	301860
tttgtattgt	gacttgatag	attccaggtg	ccttgaactg	aatatagggg	aatctcotta	301920
cagcatcata	aattttagct	gaagcgctaa	tgcgatacgt	ctctggattc	agattttasa	301980
acaccgtttc	gattggttta	cctacagtag	taggetgaga	taaactataa	taggtatagac	302040
gattaagggc	ctggcatcca	gtgttcctar	aatagtrara	tottasacc=	totottaca	302040
attggggatc	gctaacattt	gtaaacttag	gaactcggcg	atcctdatc+	teagazatas	
tctccaaacc	tttagaaagt	attateactt	taaattmama	actitetee	ccayaaytya	302160
ccccgacagt	aaattcacat	ggagaagtga	ttatatata	aacttttaa	yaraarccgc	302220
ctaaaaagtt	ttctatatcg	acattoccat	CCACATTEE	actorotte-	tanas	302280
agttctgatc	tttattcca	gtattttcc-	ctacattaag	agregerega	ccaagaaata	302340
gtagaattrr	ttgtaggttt	cttcttttc	taactacac	agacygagta	yaagcattag	302400
aagtgtaaag	gaatagttcc	ctattacccc	actatastas	ccatters=	caaaataaag	302460
attattcata		Lactactige	guigugatet	ccattgcgaa	caaacaaaaa	302520
	Cattrarasa	EEGGAFF~++	~~~~~~~~~	+		2 2 2 2
atatactord	gtacttaaat	ttggattgtt	cgggtcagga	tctatatcac	tatgatetet	302580 302640

₹ :··

cccgcacaac	attgttccat	caccaatata	tttcccttca	aatamammaa	tcgatcctcc	
ccaaccattg	ttccatcccc	agcgcttacc	aatagtaaaa	autagatyaa anttagatat	aggtteetge	302700
agcaagaagt	tgtatggctg	tattecece	aagtgtaatt	ttttcgaatt	aggilectge	302760
tctacaaaac	gaaaaacatc	accageettg	Cttgactgar	acaaagtata	ctgateceaa	302820
tctccagtta	taggtaagta	tcgactactt	Ccatcaaaca	taaaagtccc	guugateca	302880
ttggcacaga	aaaaatattg	gggagaacgg	acatagttco	cgggaacagg	ctctattggc	302940
tttttcggta	atgcgggatt	actaagacga	trattettea	tatcgattgt	atcgcatggg	303000
ggcgccgggc	ctgtagcatt	taacttatag	gtagatgggg	aagtcaaacc	Cattgaggaa	303060
actttctctt	taaatgtcgc	gttccctaa	acagacyccy	tttcagtcga	tgttgctgaa	303120
ttagcttgct	tatcaaaagt	Ctcaatattc	gaagataata	agtctccatc	tgagattcct	303180
tcgagtttaa	aataacactc	attattatat	tastesta	ttgttgtcatc	tactgttgaa	303240
tagttataag	tttttttt	accyctatet	tagattatttg	ttgttgtcat	ttcaataaaa	303300
aataattoto	ttacqaaaca	adadacadaa	tagatetatt	tagtcaaata	attaactaat	303360
aatcaaaaac	ctttgattat	Coattaacaa	ttaaaacccac	aaaaaatagg	aactgttcgc	303420
cgaatccaaa	raattttta	Cattttctca	cuggaacttt	taattcaaaa	gttctctccc	303480
acaattcato	aaatgcattc	Ccastagtta	gcgaattgat	tagatagaaa	ctatgagatg	303540
agatattgaa	Caasaacaac	tacacataca	taagttttat	ataagatcct	tgagaattca	303600
cogatttaca	atccastacs	attangage	Lygatttgaa	ccaacgtatc	cgtaaggagc	303660
gattgaacc	ctcaaccatt	actgaccact	atgcgacacc	cccaaaaatg	ctggagaaag	303720
caraaatara	actocoatta	tatacaaa	tegaatgete	tgccaattga	gctactccag	303780
atctgaaataga	agrycyarra	teteaaaaag	aaagttttat	tctcaatcag	aaagtaactt	303840
tettatataa	ggataaaata	aactggaggt	ttttgagagt	tttcagatat	gcgaaaatct	303900
cretecatas	ggatadaatt	CCCacaaaca	aaattagtgt	cttgattcaa	agtagctgta	303960
arttetata	gragagerag	atteteteca	gtatttagaa	tctcaaaatt	atgctgctga	304020
agetteett	taaccaattt	CLCLLCLLL	gcctgagctt	tcttaagagc	ttttttactc	304080
attactictt	cgttcttagt	aatctgatga	aacttaccaa	cagccgcttt	ctgttctgaa	304140
gitaaagatt	gagataaacg	ctggaacaac	ttcgtacaat	tatctcctgc	ttctccctgc	304200
ccggatgcag	agagaacttc	agcagaaaat	ttaaattttc	cttcagttgt	ataccgagct	304260
guilguidu	Cttttttaa	acaacattgc	ttgtactttt	tattagaacc	acaanggcat	304320
adalcatttc	tattaatttt	ttttgacacg	tgatcctctt	ccacacaaga	tettttagaa	304380
aagtetaaat	aagctcaaaa	taaaatccaa	agtcaaatgc	aaaaacctat	tactttttt	304440
tttaaccttg	gaacctagta	ctcgttaata	aaaagaagaa	aaacttaato	aataattass	304500
ggtacaaact	ttatgccagc	ctattcacct	gaactataag	tttctggatt	tttaacaccc	304560
atttettaag	aataatattc	ctttaaccat	ccattcattg	ttttcatorc	Cactttactt	304620
LLABATCCTC	cgtggatgaa	agcgggaaaa	cgtatagaaa	gettagteeg	aaaagcactc	304680
cacacccaca	ccatgttagc	aaatcatcgt	aaaattgtag	ttgctctcag	taataaaaa	304740
gatagtetta	Cacttettt	aatgctcaaa	gcaatttctg	gaagaggatt	cccadattta	304800
gatetecacg	cggtcaatat	cggaggaaaa	tactcttgtg	gagcagaagt	taataaacct	304860
Lacttaaccc	gcatctgtga	tcaactgtgc	attccgttta	gaacaattcc	ctctccttat	304920
gcacccgaaa	ccccagaatg	ttatccatgc	tctcaagcaa	ggagacgttt	acttttccaa	304980
gccgctaaag	aaataggagc	ttcggctatc	gcttttaatc	atcaccgaga	tgacctcgtc	305040
Caaaccgcct	tattaaatct	tctacataaa	gcagagtttg	ctggaatgct	teceatttta	305100
galatggtcc	atttcggagt	taccattttg	cgccccttaa	ttttcacrcc	cgaattctgg	305160
attegeaagt	tegetaagga	aaacgcttcg	caagagtcac	ttaccattat	cccataattt	305220
cattaagaag	caaagcggaa	caaagtttaa	agttattaga	agaggtattc	cctttagcac	305280
gicataatat	cgctttggca	attcaagaac	atgggtcatc	Caaatcacaa	22255500	305340
agacactttg	ttattaatta	atttttaata	taaataaggn	agtaaaagtt	tactteette	305400
ccacgaataa	aagattaaag	ataattetaa	ctaatgatga	tggaatcaca	actasadans	305460
tgagttgcct	agtetetget	ctattggaag	caaatattgg	tgatatttat	attocagete	305520
cccaagccga	acagtcgggg	aaaagcatgg	caatctctct	gaaccaagta	atctacacct	305580
cteegtatge	atacccgcaa	cccgttaaag	aagcatgggc	agtaggagge	teteetaeae	305640
artgegitag	acteggeett	agaacacttt	ttgaatcggt	ttcccctgat	ttagtgattt	305700
caygaattaa	ctgtgggaac	aacatatgca	agaatgcttg	gtattcagga	accatagge	305760
Cigcaaaaca	agccttggtc	gatggcattc	categatgge	actttctcag	Cataaccata	305820
recettett	tcaacaagac	aaggctcctg	aaattttaaa	agcattagtg	atttatctct	305880
rgreteaace	ctttccttgt	ttaactgggt	taaatattaa	ctttcctacc	agtectagga	305940
greeceteteg	ggaaggtatg	cgacttgtgc	ctccaggaga	tgaattttt	tacqaqqaac	306000
CLCAATACCT	aggctctgta	aacaaaaatc	aatattatgt	agggaaaatt	tetagagtae	306060
gyattggaga	gcatccatca	gaagaactcg	cttqcatqct	agaaaaccat	atcaccetet	306120
Ctcctatatt	ttcacaaaac	tctcctatcg	gcttaatgac	tctagaggaa	tttcaaaaga	306120
cacaagaaaa	tttcaatgca	tcgcttttaa	gctctgagct	gaccactaaa	attttctaaa	
agccccctag	tctttggtat	cagaggtctt	tttttacaaa	agatetette	tttaatccac	306240
atttaatcac	ttaaattgaa	agaaaaataa	ttgtgattaa	actatttett	ctootaaott	306300 306360
tatgctccta	tcttattgga	tgcgtagctc	agcggttaga	gcacctgtct	tacacacaca	306420
adatcatada	ttcaaatcct	atcatataca	tttacaaaaa	tanttcaatt	acacacagy	306420

```
ccgccctgtc aaggcggaag ttgcgggttc gacccccgtc tctcgcgaag tatgctttca
                                                                        306540
  gaggtttcag gatgtctcac ggtccacgtc caacaaaatt cagtttccct ctgtatttct
                                                                       306600
  ccaaaacatt aagttggttt attttaggtg gctttcttgc tgcttgcgga gttcagatgg
                                                                        306660
  tattagtgcc taatgaactt atcgatggtg gtattgttgg cctctccatt atagcctcgc
                                                                       306720
  attttttagg tcacaaagcc cttccttttt gcttagttct cttcaatctt ccttttgtat
                                                                       306780
  tcctagcatt taagcaaatt gggaaatact ttgtgattca aatgttgaca gccgtgatta
                                                                       306840
  ttttttcgtg ttctctctgg cttattgatc aactcccctc ttggctcggc atgagcccct
                                                                       306900
  ttgtttttaa aggatcagaa atggaaaccg ttgtgctagg cggtgctatt attggcgtgg
                                                                       306960
  gttgtggatt gattatccgc cacggagggt ctacagatgg cacagagatt ctaggaatca
                                                                       307020
  ttatcaataa aaagaaaggc tacactgttg gccaaatcat tttatttgta aacttcttta
                                                                       307080
  totttgottt atotggtatt gtotacaaaa attggcacac tgotttogtt toatttotaa
                                                                       307140
  cctatggaat tgcaacaaaa gtcatggata tggtgatttt aggcctcgaa gatacgaagt
                                                                       307200
  etgtcactat tattacetet tetecaagaa agetaggeea tatteteatg gaaacettag
                                                                       307260
  ggattggctt aacctatatt catgcagaag gaggatactc cggagaacct agaaaccttc
                                                                       307320
  trtatgttgt tgtcgaacgt cttcaacttt cacaactaaa agaaatcgtt catagagaag
                                                                       307380
  atccctcage atttategee attgagaace tecatgaggt aatcaatggt agacgaactt
                                                                       307440
  aatccttgaa agaatcactc tggattcgac cattgtttcg ttaggtcgct agggatattt
                                                                       307500
  agataagcaa ggatttttcc tactaaagca ttttcaagat cttcaaccga ttgaggctta
                                                                       307560
  aagtaccaca taggcatcgg cggaaaaatc gttgccccac tcttgcttaa ttttaagaga
                                                                       307620
  ttttctaaat ggatcgtatg caaaggggtc tctctaggga caagaatcaa gggtcgcctt
                                                                       307680 "
  tetttaagag ceacateage aacaegtege agtaaattat etgetaaace tatggaaata
                                                                       307740
  gctgcaactg tagtcatact gcaaggaata atgatcgtag cttctacagg acaagatcct
                                                                       307800
  gacgctaaag agctctctat agcttgaatg ctatgagtat gaatatactc taagttttct
                                                                       307860
  tctgaaaata atgcgtcaaa agactgacac cctagttcat aatacaacgt ctttcttcct
                                                                       307920
  gaaggagaaa taattacttc aacttgatgt tttgcattta cgagttcctt aataagctta
                                                                       307980
  acagetagta ttaccecaga ggeacetgaa atgeecacaa cataaegett catetaetea
                                                                       308040
  aactccaaaa caaagtcata cttacaagaa acgatagagc aatcgcaata ttcgctaaaa
                                                                       308100
  agaatttggc teteteette ttgatetttt ttaetgtagt tagaatacat tetaactace
                                                                       308160
  ttaagaatca caactagagg aatgatagct gtgaaataga actctttatc taaagaacca
                                                                       308220
  acaaaacctg aaaaaatata agcaagataa cttacccata agtttacttt tgcaatttca
                                                                       308280
  acggetttet ttteacegta atgtgeagga acaetaegea ateettette cetateaaat
                                                                       308340
  toggtatott caattgcata tatgatatca tttgcageta ttaccatacc cacactcoct
                                                                       308400
  ccccataaaa gagcaagaaa gcataaacgc atggaaagcc ccgactcagc aaaagcacaa
                                                                       308460
  aaattcataa gaatcgctac agtgtacacc aaccctaatc cccaatggca gaaaaaagtc
                                                                       308520
  accettttca tatagggata gacgatcata agagtcagtg aagegatgee caaactaaaa
                                                                       308580
  atacggagaa tcttgcagag aaaaagaaaa agaaaactac aaaatagaga gagtacccaa
                                                                       308640
  gcaaaattta aagaaacaag attcgcagga aggactcttt tcgatgttct tgtattttt
                                                                       308700
  ttatcaatga accggtcgat acactgattc actacaattc ccgtagtcct tgcaaaaaca
                                                                       308760
  aaggctatgg ctccaaaaac tgaaatcttg aacccttctt taaatgataa attttgggaa
                                                                       308820
  atctcattta tagaaagagc aaagactgtg gatgctgata aaaaaagtat tgaaaatatt
                                                                       308880
  gaatacttaa aattaactaa atttaaaaaa taatttaatc tcacaattat tatcttctat
                                                                       308940
  ataattattt ttttatttat aaaaaaata tactcctctc tattcatcgg gggtgatccc
                                                                       309000
 cccaatcttt ttagaacccc ctatgttagg gggttcgtct ttttatgcct ctactgtgta
                                                                       309060
 catttcaggc attagtgcga tacatttttc ttaaatccaa aaagttccat gttctttcgt
                                                                       309120
 atagagggta gttcttgtgc atcagaaatg gtccttaaac aaaactccta acgccaagac
                                                                       309180
  aacaagctga ttatgaagtg cttgtcaaaa caaaaatcct tttaaatata ttgctcttta
                                                                       309240
  aagaaaaata atgacaagaa attcgtaaaa aagcgctgtt ttattaacaa aaaggaagag
                                                                       309300
 actttatact tatgattcta gtacaaaatt gcagaatcag atgaaaagaa ctgtactagg
                                                                       309360
 gtttttaaaa tttagttatt atatcaagaa ataaaattaa aaataccttt aacctaaaaa
                                                                       309420
 gattaatctt gatttaattg atttttctaa taaaattatt cgatctcaaa aataaaacga
                                                                       309480
  gtagataatg gcgttagatg aaattaataa tcagaacaac ccatcgcaac agatagcctc
                                                                       309540
suctogaction caaactiona aaatcaacca agatcgaaaa actitogoat goactgitac
                                                                       309600
 cctacttgtt gtagcaactt tgatgatcct atccgggatt gttttgctat ttactatagg
                                                                       309660
  ttccctagga ctcagcgttc ctttatctgg aattctaggg acttttgcag tgacagtagg
                                                                       309720
  agctgttctc tttatcacag gtctaactat tctagttaga aaatccctag gaatcgaaca
                                                                       309780
  gaaaaacgaa gacttgaatt ttttaaagat taagacccca actcccccag cacgcccct
                                                                       309840
  aatgtcaaag tttagtgtta cctgctccac tacaagtatt gttttaggaa tggctcttct
                                                                       309900
  tateggtget gtegteteeg tattttttet cacaggatat etacaactag gettgtgtge
                                                                       309960
  aggacttgta ggtcttggaa ccgccctatt tgttgcagga ttagcaagga tgtcccctcg
                                                                       310020
  tagectagea gaccaagaag geteeggete egeegattet caatcaaata ttgttggaat
                                                                       310080
  aggtgagcca aaagcagctc aggaacaaaa atggtataaa atggcagtgg taaggggaga
                                                                       310140
  agatggtata ccaacagcaa ttcgcctaac accagagaaa taaactatta ttttaagaac
                                                                       310200
  aaaaaagggt tttaaagtag gtaaatgaga aaacttactc actataaaac tcttaaaact
                                                                       310260
  ataaaaatto ogaactttta tactatatog aaagcaatto atccaggaat tacagaaaat
                                                                       310320
```

						/1B98/01890
tgaaaaacta	a tttaataato	tacctaaatt	ttctgattta	a aagaactata	agatgtaact	310380
		•	1 [[]]	·		
						310440
-		· wyattuaaa	L dCCCCCcat	* ~~~~~~		310500
						310560
	,	- aacaattata	1 00000000000	· + > > ~ ~ ~ ~ + + +		310620
		Lagachaali				310680
		aaaacadaaa	Latraaccct	. ++>~~~++~~		310740
aacgtacaca	aactcactto	gtgcttacca	tcacctttac	. ctagcattcc	teegteteea	310800
gaagcaagta	cccagtete	taagttacgo	attocators	acattgagag	tattgtttta	310860
ggagtgacto	ttcttattgg	tactateate	tocatattt	- Cayyagtege	atacctacaa	310920
ctagetetat	gtgtaggatt	Cacttatatat	GG33CEGCC	. cctgcactgg	atacctacaa gggattggca	310980
gggttgcgga	CCCacagett	aatcoctcac	ggaactgeed	ccttgttgg	gggattggca	311040
ctatcatcgo	Ctctggaaga	aacegeccag	ggcatcatgt	atctttacct	gacttactat	311100
acatatttaa	Conaggaata	Cagggaacgaa	acagtcaagg	atcagcgtaa	cgaaatcaat	311160
caatgggcac	tateteteat	atatanatan	aaaagggaaa	aggcactgtt	ggaatagaaa	311220
atgaaaterr	ttataccaaa	gttttaatgt	cagagtagca	gtacatctac	ggaatagaaa ctgggaatgg	311280
	- cgcgccaaa	yyaayaat	CCAACTCCCC		+-+	311340
	- cacacacage	atacuaucca	EEEGETCTac	CC222220000	<b>4</b> — —	311400
55	acceceage	Lacatetaca	CCGaatgtag	222200000		311460
	-599954446	Caacuaacaa	aacaatacca	202240000		311520
	- uncertace	Cucccccaa	CGACTCCCtd	2220100000		311580
5 55	ggacccca	aaacaacyay	uaterrarad	Mataaaaaaa	C to cu	311640
2	geecaacacc	ytuttaadaa	agagcagcca	++c=c=+===		311700
3 3 3	gacaaagact	CLUGULLOCO	CETEGRERCA	arrantence		311760
3	goddedcede	aatttcacgt	CEGETATATA	* * * * * * * * * * * * * * * * * * *	*	311820
-3		Ludycccgag	aagaaagtat	CCACtctcct	++	311880
	a cyaaccaac	Lyattladaa	Cadastadac	ttcccccacaa	A	311940
	accettget.	Leatitecat	aaaaaaaatc	CGSCCCSSGS		312000
	and are ceree	qualquadda	Catdoffoto	C2221C2000	224	312060
	cactaga	LLCadaccaa	Taacaccttt	tetteteaca	3 t	312120
	cacaaggeee	CLLCGalgat	Caadaacada	trraaaaeta	~~~+~	312120
	gagactgggt	adiliategg	Cagtataatc	taaaatatot	tanaataaa	312240
	acggccaaga	LCLallagaa	CCCcaadttc	Gtacatgata	tataaaa	312300
	accagaaagt	CLCLLaggag	Cttctatacc	acctccaaaa	caattatat	312360
	guccectaga	Laggcaagag	acccctattt	anttaaatet	25222555	312420
	cccaaggggg	geggtateat	CICCCARAGC	trarrrates	***	312420
3	cagogacte	LLLLyagaag	aggatecerr	CtCttCttCt	***	312540
	acceggatat	Lygitaqqaa	gagaaaaaaa	Cadadadtet	+~++	
	Coccegacity	rgggggacaa	aaatagcaca	Cacctoctos	aataaaa	312600
cagataggag	ttgttctgga	gaacacctca	CCGCaggatc	tttccgacaa	Partageete	312660
gcgaaagtaa	gtcacaatgc	atatogatag	tcataacaca	cctaaatgct	adatycygat	312720
	uguuugggga	aaaqttcggg	ataateceat	<b>ロナットャナッケッケ</b>		312780
gactacagaa	ggagiltete	tttttaaagc	ttcccctaat	ctaatataaa		312840
tttaggatgt	tcacaaacca	cacctttaaa	atctaaacat	ccgctcaaaa	aattettagg	312900
ttgctcttga	tttttcactg	tatagatett	gatatoctto	gaaaaggcat	aagatactaa	312960
atgaaaaatc	ttagcttcag	tecetgeaat	attttctata	acactgcgag	grgacgttct	313020
ctcacgataa	atataaagag	gatctgaggc	aactactata	gactctaaac	aaatcagccc	313080
agggccatca	aaaatacaga	gatcatgatc	accasacte	gcgaatatct	Catgggaaca	313140
aagagctgaa	ggaaactctg	aaagattcgc	ageadageee	attaaggttc	cttgagetgt	313200
cacaatttcc	cgaactacag	agreatetae	agacgccccg	gctagtgttt	cacagtgatc	313260
tctaggattg	cggtgcttaa	ctactaeact	aattootoot	gggaaaagtt	ctttagggaa	313320
cttagctgta	ggagataagg	gataaccage	aattgetee	attetteaat	gagctaattt	313380
taaaqqqcaa	aagctttact	aggttetet	tattt	catagagtct	agaatttaca	313440
tcagaggcat	acaagctaag	aggettetta	tetttaaag	catagagtct	ttcttcagct	313500
ttcccttgat	gtatagetga	Cataacctca	cagacagege	cagtaggaag	agcgacaatt	313560
tcaggcacaa	taactccass	aatamates	yyaaycgaaa	aagtaatctg	tgctttttta	313620
aaaccgctta	tacatatast	ttatecasea	ayaaygteta	tgttttttag	aatccgcaca	313680
gcaaaaagtt	aatctaaatc	cataateee	LLLatCaaaa	agagaattcc	ttagattaac	313740
acaaactaaa	cattcases	tagaaaaat	attcagaaaa	tagatttttt	attaacttat	313800
gacaaaaaa	aaattatt	tocotante	catcttaaaa	tattgactac	gccacttgaa	313860
ttaaaaataa	asactteta-	Cacatte	ccttcgatat	aacgtggtaa	cttcttatta	313920
agccatagag	taccetacas	atactactc	tttctttcgt	cgcaaaattg	gcaatattga	313980
ageacagag	cyccccggaa	atcctcaaga	tcctatcatt	attetetete	3 t a a t t a a a a a a	314040
cacatggath	tttccasses	COLLCETTCC	cccgatatgt	tccttttcaa	aattacgccc	314100
	caaaty	yaalccttcc	cccadadaat	gacttccga	acteteatas	314160

					-	
atgctttcct	cttaatgttc	ttttattaca	agaactctct	aggctctatg	ccaatggagt	314220
agggaacctt	caagaaaaat	atgatgaact	atttgatgta	gatctagaga	сассовавая	314280
agctttggaa	gaacttatcc	tcaatctcaa	tcgaccctat	aatgaaatta	tcattggtgg	314340
atttagtcaa	ggagccatcc	tggctaccca	ccttgtctta	acttctcaga	atcettatee	314400
tggagcctta	atctttgctg	gcgcaagact	gttcaatcaa	ggctgggaag	aaggacttaa	314460
acaatgtgct	caagtgccat	ttttacaaag	ccacggttat	gaagacgaaa	ttetteetta	314520
tcacttagga	gcacacctta	atgatettet	attaacaaag	ttgaacgggc	aatttottto	314580
tttccatgga	ggacatgaaa	ttccctctgt	agtattccaa	aaaatgcaag	ttacagttcc	314540
taattggata	gatcctgccc	ggggctgaca	gaaacgagtt	ccttttcttt	atacterana	
gataccaact	gaatagctac	Ccattctaaa	acagatacta	ccgatgagga	attettant	314700
gaccgaccag	gcagattcca	caattaaaag	caccttatct	aaaggcagta	atcocaate	314760
taggatetee	ttaacatgct	Caggatagtt	taaagctgaa	gcctttaatc	craaattaaa	314820
agtataacga	tctcgatata	gctctaggag	cacttccata	aatcgttgca	cctaatttaa	314880
taacacctgt	ttatctgtct	Ctgaagattc	ttttataatt	tgagacactt	cactalone	314940
aatttcacat	tgggcatagc	gaaaraaata	agaaaacgtc	tctttggaac	cagtaacggg	315000
ttctcccctc	tcaataaaaa	tagagagact	CCGaGaaata	atagtctttg	acaagactt	315060
aacttttgct	attatcaata	trataacarc	atotttooo	ggttcttcga	gcaatetetg	315120
aaatgcggaa	atcocacta	agataattaa	atgttttgga	tgaataatgt	agacttttaa	315180
attractica	aaaggagata	tataaatata	accegeeeg	Lyaataatgt	agatettata	. 315240
gtacagtatt	costtract	cataaatcty	CLICILIACE	cccctaggaa	gatctataga	315300
aactttatat	teggaagete	Ciggaaagaa	ttgataaata	tcgggatgaa	tcttttgaga	315360
tttataatat	ccygaacctg	gagatgacga	tagcaaaatc	tccgatgcta	actgttctgc	315420
argaraaar	aaaacaggaa	gggtaaatcc	atgcagcagt	atagctggag	gcacttcctg	315480
acyacaaact	tteetaagta	aagcttccca	gccttgattc	tcttcttcta	ggtgcataac	315540
ccaagetgeg	tatgtagcat	cactttgtct	attaaactag	ctagtgattc	acgagcatca	315600
agaaccaagt	aacgactagg	atcggcacta	gcaagagata	aaaatccttc	tcggatcctg	315660
ttatgatagc	tcaaaggctt	tttttcaaac	ttgtcaaaaa	ccttttgtcg	gtgcttcctt	315720
tgtaagccaa	tgtctgcagg	aatatccaag	agtaaaacaa	aattaggaag	gaaaggtgta	315780
ggtcctacaa	ccttagaaca	aaggtcggca	acaaaatcag	cacccaaacc	ttcggctatt	315840
ccctgataca	caatcgtgga	atcgtggaat	ctctcacaaa	tgacaatata	gccatcacgc	315900
aatgcgggaa	tgatcacttc	ctgaatatgt	tgagcacgtg	atccaagaaa	caaaaagagt	315960
tcacaacagc	gagagagttc	taagtgagga	ggttccaaaa	ttaaatctcg	gagtctttcg	316020
cctataaggc	accctccagg	ttcccttgtt	aacaaaacct	tccgatcttg	agctactagc	316080
tgatctccta	aagcctttgc	taaagaactt	ttgccagacc	cttcgcccc	ctcaatcacg	316140
ataaacacaa	tactacctta	ggcttactgt	atcagaacat	tcttcttcgg	accetgatag	316200
tacttcatca	tcattttcat	tagaagagag	tttttccata	gaaacaagag	cateceette	316260
tttcaagtga	actaaacgca	ccccttgagt	cgatcttccc	atcactctaa	catcttgcat	316320
gttaatgcga	attgcctgtc	cctgactcga	cattaataaa	atactgtcgt	gatccgtaac	316380
aggaatagct	cctaggacat	tgccgtttct	ttcattgata	aggatagaac	gtacgcccac	316440
gcctccacga	ttggtttcgc	ggaaatcttc	aactaaagat	ctcttaccaa	aaccttgatc	316500
acatacaatt	aaaaccgact	ggttctcagt	cacaatttga	caactgacaa	ctttatcttc	316560
ttcatttttc	aaagagacac	cqcgaacccc	acgtgcagtt	ctacccatag	gacgaacttt	316620
ttcatggggg	aagcgaactg	ccataccaag	atgagtaaat	aacattacct	totottoato	316680
actaacaatg	tgacaagctg	ctatgagttc	gtctccctca	tctatctcta	aaccacctat	316740
tccctttttc	ctagggttgc	taaaggcgtc	taaggaaact	tttttcacaa	cassacttt	
ggtggctaaa	aataagaagc	coocattate	aaaattotta	atattcaata	taccacyttt	316800
ctcctcacca	ggacgaattc	cctctaggaa	attastasta	ggcttacctt	tagetgegag	316860
ctcccttct	gggagetgee	ataccticas	ccaataacat	tggccaaaat	tagtassest	316920 316980
taggagatag	tetttagtaa	addcadadta	tacagettta	aggaaccctg	cygryaagar	
catatcaaat	cccataactc	catoccocc	acqacqttqt	tctttgaaca	CEEEEEEEE	317040
cattetett	acctaatcat	ctccccatat	catastasta	acagactcat	touteacagg	317100
gtcttcaata	tcacqaatat	catcaggatat	gegacaaca	gtagtgcgtc	cggcaacgat	317160
 atgatgette	aaaagatett	gtaactcatt	tatantanta	tcttttacta	gagetaeett	317220
ccataaaact	tatttataat	aggetatet	atttattat	tettetaeta	aaccttcatc	317280
cttttcacct	totaaacaac	tagetacett	acceataac	tcttcgtact	ctttttgaat	317340
aggtteggta	anaccag	attantant	taaacgcagt	tctaaaatcg	caagagettg	317400
ctcacacata	attttsat-	atrostota:	agazat	gcatgctctt	tattcccact	317460
aacatosoot	guutatta	attente-	ycaagacaaa	gccttaaggt	atcettetaa	317520
tttscarter	cytytteetg	ciciaticaa	Lucataacga	gtcctacgac	ggatgacttc	317580
cttatgatgg	cytatecaag	cgydaatcat	cctatgaata	ctcatcgttc	taggtaagtt	317640
culauccagg	gcaagcatat	LIGCCCCaaa	agttacctga	acatcggtga	acttgtagag	317700
cctattgata	atgatttccg	aagattctcc	ttttttgatt	tcaaggacaa	cacggattcc	317760
atctttatca	gactcatcgc	gaacatctga	aatgcctgcg	agagtctttt	cattcacaag	317820
atttgcaatt	tgctcaatca	aacgtgattt	attcacatta	taaggcatct	ctgtgatgat	317880
gatgctctca	cgatgtttat	cttcattctc	ttctacatgc	agacgagete	gaactttaat	317940
ctttcctcgt	cctgtagtat	acgtggagcg	aattccttca	gaaccgcaga	taattcctcc	318000

						(/1090/01090
tgtagggaa	a tcagggcct	g gcatgactt	g taaaatctc	a tccacagaag	cctgtggatt	318060
tggatggtag	c cagttetgag	tatoccas	aagcgtagga	a taaatgacgc	tctcaccatg	318420
tggagaaag	g totocagago	r tcategoat:	adttttgca	a catttacgat	gcttagctcc	318480
atcccggata	a cttagetget a tetggaagag	CCCGagatat	aayaactctt	ctttgtgaag	gcttgagtcc	318540
ttccttcato	tottottcaa	a gattttag	. dalcacagac	atcgaataac	gaaggtaact	318600
						318660
		*	: ('All'Cascate	. ~+~~~~~+		318720
		· Culuaaluac	1		A	318780
						318840
		· uuccaaluat	:     CFFCC>>0	· ~+ ~ + ~ ~ ~ ~ ~ ~ ~ ~	A A	318900
		· cauctatal	. CICATTETC	tranament		318960
						319020
		· cacaaa	T C C T T M > M C F	3 3 3 4 4 4 4 4 4		319080 319140
						319140
-		· ucattttaa	- 4445569494	22000		319260
		· Cucattraa	dalgacarra			319320
		Layalllada	. gagaataaa	CtCtcsttcs	<b>*</b>	319380
			ddddararaa	CCCCSSCEAFE		319440
		<b><i>yaycaalala</i></b>	aacacattca	***		319500
		gaaqtaqqqL	acqaararga	Maarrat oo -	A A A A A A A A A A A A A A A A A A A	319560
		Lacaycytaa	LUEACEGAGA			319620
		CHALGULICE	TATCTCT TAA	++++~~		319680
	accette	gaatttacc	CCGAATAGGC	2722114441		319740
cttttcggga	tgtttcgcag	accolocage	agaatccccc	tccacaatgt	acatctcaca	319800
agcacttttc	tctttttcta	attotogage	tagttttcca	ggtaagcgtg	cgctatctaa	319860
aacaaaaacc	cttaaagtca ttatcaacaa	teatectage	aatttaaaa	gcttctctag	cttgcgctgc	319920
cagagettee	cctacaacct	gttgagccac	trarctasca	tcccctcaa	aaaagattgt	319980
ttttgtttgc	ccttcaaatt	gtggatttgg	gagetaaca	Coactgttte	ctaatttctg	320040
J		Luantucado	CULTALLATIC	ttcccaaaaa	* - *	320100
	- cgaccaccc	raytaducuc	CCCACAAAA	CCtCtaacat		320160
22-3-50	ggaacactac	Lyycalagga	ataaacaact	trarastara		320220
255500	geeecaaacc	CHALLECTEC	accateteet	actoracted		320280
	gugudaaqqc	LUCCEETAFF	Traatteada	taaattaaaa	· · · · · · · · · · · · · · · · ·	320340
	Luddagaagg	Laaccttgtc	aaagetaaca	teteestest		320400 320460
J-3	Couragailta	ayaaaycaag	CICICGCAAG	Catttastes		320520
	caugicyaaa	acactetagg	atcagggtag	2222662444		320580
J	<i>acactcacat</i>	actucaaraa	anttacamos	2******		320640
guacacac	Lichtatett	taaadaccot	CCCAACTAAT	++c+c		320700
5 3	aac cccgc	<b>UCAAUCCECC</b>	ggatacttta	taggetateast		320760
	Langagerra	LLddaaccac	EECEAAAGCA	Cacacatata	A	320820
5 5 6 - 6	Cucuguyaa	CLLCtatagg	Gattcctcoc	COSttototo		320880
9000	uuuaaty	<b>uaacatcaa</b> r	CCLAGAGCAA	t > > < < < < < < < < < < < < < < < < <	<del>_</del>	320940
2 3 9	ucaaccc	Catadactad	ALCCALCASC.	accort water		321000
atgcatcgta	cccggggcgc	tttaggtag	cttgtagccc	ttctaaaaca	gtaatagcgg	321060
taatctgcac	atttttttt	acctgataca	caaactatcc	taacaaaaac	tgtatttccc	321120
gttttaacaa	gtgagaagcc agcatataac	gaggattet	addicataat	taaatcattt	tgaggcgtct	321180
accctatage	ttgagacatc	cctttatatt	tatatata	taacaaaata	tgatctctga	321240
	~99cccaqcc	uccataatrr	rrrgaagetc	atacasa		321300
- 5 - 5	gratetata	gaggaageta	TTCCTTTATE	++~		321360
	Laayaac	atatectace	toaaoaataa	G3G3 +-		321420
	auticyay	auaccuttar	arcreatett.	++~+~+		321480
J	uu caaag [ [ [	taataacato	CEGCatcasa	2022204404		321540 321600
J gaaaaa	uug ccaa caa	uacuaadada	aattettata	ataaaaa		321600
2 2 g u	-g-caagaga	gcagtaaaca	cacatateat	tacatootaa		321720
99-04	waact cate	ggagaaataa	gagicttcac	ctctataggg :	<del> </del>	321720
Lactingaga	gcaaaaacct	aggtacttta	caaccaccac	cacocaoaat	TCAATCOCTC	321780

ctataatacc	anctacacan	205-00-0-00				
ggcattttat	gactacacaa	accedagge	caaacaagca	aacgcataga	acatctatga	321900
taaccatccc	taatttaatg	attactigga	gcactaagge	tgtgatttct	aacgctagta	321960
cadagattca	tccgccgaga	tatattatt	tetecacgaac	ccgatgtgcc	caaagattta	322020
tateeteage	ggatttacta	cgcgccgacc	CCCCLAACE	ttcctgcgca	acttcctcta	322080
raccacette	ataagtgcta	ctaattetag	aacaacctat	aactatattc	aaaataggaa	322140
taacattaat	gaaattagtt	gaaaactgct	gaacagaagt	aataccaaaa	gctggggctc	322200
caacattaat	tatcattaga	attacaccgt	agaaaattag	ggggggtaga	ttctttatga	322260
aataagatca	tccttcaata	adatatttcg	ggtaaaagat	cgaaatattt	tattgaagga	322320
cattataaa	aaaagagcgc	acaagtacaa	cgacttattg	ctctaaccat	tgtcttgagt	322380
aaacacette	atattcccat	gatattttgt	accaaaaaaa	tgttgtacag	aaggagattg	322440
aaacagcccc	tgtaatttta	cattttagg	agaacctacg	tcttcagaac	gaatgacaac	322500
aaggtttgta	tacttagata	ccgaaagatc	ctctaaacaa	agactatctt	tctttggaga	322560
tecasessa	gctatagcaa	aatttccagg	aatgacagca	gcatcaacgt	caggaagaga	322620
cecyacaaya	agaggagctg	acacctctaa	tatgttgata	cttctatttt	ctttcccaca	322680
ttotaacaaa	gctgtcatat	ttaaattagc	aggccctttg	caaacaatga	gtccgcactc	322740
tttcttctac	tgtagagcac	getgageatt	cgtacgatcc	acaggaatcg	ctatagtcag	322800
tteessates	ctttttaagc	gctctaaaga	agaatgtttc	ttagaataaa	ttgcttgagg	322860
atantanaa	actttagcga	taacaactaa	ttcaccetta	caatcataac	gctcgcattc	322920
gccaccaaga	aaagcttgat	gttgaaagta	atttgcatct	acttgtttat	ccaaaagcaa	322980
acgattagga	atacgataat	catctactgg	aagtattttc	agcttgattc	caagatcttt	323040
ageetettee	tgtaaactct	ccaataattc	cgcatgaggt	gtcggactgg	ctacaatacg	323100
tactitatic	tgagcatctt	ccttatggca	agaactcaaa	acaaaaatta	aacctacaag	323160
tataataaa	tttttttca	tagaatccct	ctatacttta	atacacgacg	ccccagaaa	323220
ccccctagaa	tacgcactga	ctcgataaga	actaaagtga	tgacaagtac	tgatgttgtg	323280
acagaccatt	caaaacggta	gtaaccatac	tgcaataata	actgtcctag	ccctccgcct	323340
ccaacaaacc	ctgcaagagt	cgaacatgaa	atgagatgaa	caacaagaga	cttaagagaa	323400
aatatgagct	gtggatagct	ttcaggtaga	agtataccaa	aaagaatatt	ccttttagga	323460
actoccaaag	caacggcaga	ttcaagatag	ttaagggctg	aattacgaaa	agcatcaacc	323520
actatagtaa	caacaaaagg	aatggctccg	atagtgagag	gaacaataga	agccgtaggg	323580
cctaaagaag	tccctacaat	ccatcgcgtg	atcggaaaaa	gaataacaat	aagaatcgca	323640
aatggaatcg	cggtaagaaa	acttagaatc	attgagattg	ttgcgtaaag	gcttttctta	323700
ggactaagac	tcttaggcga	cgtgcagaaa	agccccaaac	ctagcatccc	tccaatagca	323760
caagagaaga	aaaaagcagt	cgacaccata	taaagtgtat	tgactgtttc	ttttaataaa	323820
acctgaataa	gatcggattg	cataatcttt	ttctaataaa	attctttaat	aacgacgcct	323880
ageteaatta	aaagctcttt	tgctttttta	cgttgctcaa	cttccccttc	caaaacaata	323940
accagaaacc	ccattgggga	ttttctaaat	aaattaatgt	tgccggaaag	aatattgata	324000
gagaccagtc	cagtctgaat	caccttacta	atgatecett	gtatagcgag	ttctttggaa	324060
adatttaatt	taagaacttc	ttccctgtct	tctgcaaaat	aacacgaact	caaagcagca	324120
tettetete	_cttcatggaa	caattcattt	gtaattgagt	tctcagaatt	taaaaaaagt	324180
attttt	ttcctagttc	ttcgacagca	ccttgatgca	ttaccaaaac	atgagagcat	324240
ttenattena	ctacatcgat	ctcatgcgac	actaaaacta	aagtaattcc	cctttcctga	324300
atataataa	gcagcctttc	aacaacaccc	tcagtagatt	taggatccaa	agcagaggta	324360
tattatasa	aaagcacaac	ttcaggttga	cacacaattg	ccctggcaat	ggcaacttct	324420
aaattaagag	caccacttaa	atttcctgga	taggcgtcat	gtctatgata	gaggtttaaa	324480
ataccaayay	tatcgtatac	ctgttcctca	acttcactct	tagacatttc	tgaatgatga	324540
tagaaatat	gataggctat	gttttcaaat	acggttttcg	aagaaaacaa	cccataattt	324600
gagaaatat	aggcaacttt	cccagadaaa	ttacgacgtg	aaaacttctg	tgttggcaaa	324660
Caacccaaaa	acccagctac	acctatagag	ccagatgtcg	gcatgtcaag	aaagtctaaa	324720
ggatagagag	gcgttgtttt	tttagaaceg	ctatgaccaa	ctataccaaa	aacctctcca	324780
tettaaacaa	aaaaggagac	cccggagaga	agaatatggt	cgcctaactt	cttactaaca	324840
tatgaatata	aaatgatagg	caaacgitgt	tergacacaa	gccacgcctc	tecttttatt	324900
ctattatatt	aaatagaata	agtttagtge	tattasatt	ttaaccatta	aactataata	324960
ataaacaaaa	tctgcaagca agagggttga	atagatgtee	attatatat	nanconne	actatctant	325020
tactatacaa	caagatttca	togaaaccat	tttossesse	aaacyacaca	acautigate	325080
tcacaaaaaa	taaatagctg	coattttass	cagacagacg	aacttcttgg	ryacyataca	325140
acaacttgaa	attttaacat	aataaaaa	atactcotto	addatatat	ayaactaaga	325200
aaaactaata	cttaacttaa	taaactcott	data=actta	ayuuuutat	adtacattaa	325260
accccaaact	gagctctgaa	taagettaag	dadacacacaca	ctcatcatat	atattaatea	325320
tattctagga	aatgatgacg	aaaacctatt	atcatatcac	totasson	tracassass	325380
caaactaact	cttccctctc	atgattttgt	adacaadda	tttaasatata	ctacaaaaga	325440
taatcotott	ctcagatccc	tacaaactat	attttctc=+	anagartts-	capattone	325500
ttatctatct	atacttcctg	tagaccaagg	catagaggag	tracearas	cotottt	325560 325620
tattaatcct	atatattttq	atccagaaaa	cattotosso	cttoccatac	aatotoosto	325680

						111170/01070
tagtgctgtg	gcctctacct	atggaacact	gagcttactt	tctaggaaat	atgctcataa	325.740
gattettt	. algetaaage	taaaccacaa	cgaactcctc	tectatecaa	Caaaatatoa	325800
Claaactttt	tttactcaag	tagaagcagc	ttattcaato	ggcgccatta	CCGtaggag	325860
tactytttat	Licggitcig	agacttctaa	tgaagaaatt	gtagcagttt	Ctaatooatt	325920
tyctaaayct	egilecetag	gtcttgcaac	agtactttgg	tactatetae	CCRRtocaca	325980
ccccgccgcc	aatyyaytay	attatcatac	ggcagcagat	- ctaacaggac	addetestes	326040
cccaggcgcc	accctaggag	ccgatattgt	gaaacaaaag	ctccccacat	DD CD DD CO DD	326100
acceaayyce	accaattttg	ggaaaacaga	Cgaaagagtg	tattctgaac	tetetteass	326160
ccaccccacc	galctligee	gttatcaagt	Cttaaatagc	tactotoca	aggtaggcct	326220
aactaactcg	ggaggacctt	cagggaaaaa	tgattttaca	gaagcggcta	gaacagcagt	326280
gattaataa	agagcagggg	gaatgggtct	cattettaga	agaaaagett	tccaacgtcc	326340
cctatecgaa	ggcatccaat	tattaaacct	ggttcaagat	atctatttag	atcotastat	326400
tacaatcyct	taacttttca	aagaaggtct	ttatgcactc	ccactcaaaa	CCAACGAAAG	326460
cgttgggaac	attcacggtc	ggcatgttat	cacttgctgt	agtgattagt	ttocotaato	
ccccgccaac	agcaaaacat	ggtctttcca	ctctatttt	ttatogacra	acaatcatat	326520
gttttatgat	tccgtatgct	ctgatttctg	ctgagcttgc	ttctttcaag	Cotcacacac	326580
tttatatttg	ggcacgtgac	gctctaggca	aatggtgggg	attetteet	atatagataa	326640
aatggtttca	caacatgacg	tggtatcctg	CCGtGttagc	ttttatageg	acatggatge	326700
tttataaaat	caatccagaa	ctcgctcaca	acaaagtgta	cattocaaco	agraceating	326760
ctggtttttg	gatacttaca	ttttttaatt	ttttaggaat	tacttettee	gryateettg	326820
gctctatttg	tgtaatcata	ggaacattaa	ttccaggagt	Catcttactt	gcattattca	326880
tcttttggat	tttttctggc	aatcccattg	ctatttctct	ttetterer	agtitiggete	326940
ctaatttcag	taacgtatct	tcacttgtac	tactageteg	aatattaatt	adictictic	327000
gtctagaggc	taatgcgaac	cttgcttctg	atatootaaa	tachan	gcgttatgtg	327060
aggcagtctt	cattootoca	atagcaacac	tcactatttt	acttata	aattatccaa	327120
tagcaatagt	gattccgaaa	gaagaaatta	atttaateta	agttetgggt	tctttatcca	327180
ccttattctt	tgataaatat	aacctctcct	gcctagcccc	rggactagta	aaaacgttta	327240
ttgcaggatc	gctaggcgaa	Cttaatgctt	ggatgattgg	aatcgttgta	gtcatgacca	327300
tttccactca	gaatgactgt	cttaatgctt	totttaana	aggaacaaag	gggcttttta	327360
caacgaactt	aatottatto	cttccccgac	ttatasasa	agtaaatagc	aaaaatgttc	327420
gccttgattc	agcagacctg	caaggtattg	ttttaastas	attcacactt	ttatttctat	327480
ttgcgatgta	catctgtctg	gtgtattgga	andanhan	actgagcgtg	cagatgtatc	327540
ctcaacgcct	ctattctgta	tttcttgcag	ttttgggtttt	acgtatcaaa	gaaccaaggg	327600
gaattetete	ctatacattt	ccaggaaagt	tarantara	ctgtacgatg	tctatcttag	327660
agatatetga	accaccasa	gctctttggg	chaderece	gcctcctaga	gaacttgctc	327 <b>7</b> 20
attocttaat	teetteega	atayyatata	CCACALLCCL	gcttttagca	tttagcttga	
ctaaaagcat	ttttaaaaa	atctatttca	cgcataaacg	cttatctaaa	aagagctaat	327840
aagettetaa	attonanttt	agaaaagaaa	gaagccttcc	ttgttgtatg	gcagcctgga	327900
atcetatta	accodatct	gctctcctgc	aaaaagtttc	aatctctcct	tgacaaataa	327960
gcattaataa	att the content	aaatatatcg	cgtgtaaaag	cttatcccat	aaatgtatag	328020
CCTCTaagaa	aataaataa	ttacctacag	atatgctgaa	ttcctctgat	tccagtagag	328080
ctaccaagaa	tttcaacas	ttttgtttca	tettettet	atcgatagcc	attagaatct	328140
Carrances	azatttt	cgagctcgca	aaagctgtgg	tatcgatgta	atagacaacg	328200
cttactasta	ctorrectet	aatccttcct	tacaagcttc	cttggtctta	ttgaagtett	328260
gatetegate	aggeatet	ttggcacaat	cctcactatt	aatactttgc	caacagctgg	328320
ttaggaagg	agggtataga	gcattcggta	ctattaaatc	caaccttaat	gacagttggt	328380
ttattataa	gacttegtee	ccttcaaaca	gatgatgtaa	aaatggagta	atatatttct	328440
cttaactaca	tanante	cctcttcaga	agaaaattgg	ggacaaaatt	gctgaataat	328500
aatacttata	Lyagacctat	catgactaga	tcgtaaacac	aaccctgaaa	gtaggagatt	328560
gatoconno	aggeeeaaag	aacaagattc	tatggtttca	gctgtttcac	tggaaatttc	328620
agencedagg	geegagegee	tcttcggatc	tagcatactt	ttcaatcaca	taggatctaa	328680
ayaaaataat	actictaata	tctcttctcc	tggagcttct	aaaatttcta	gtaaaacttc	328740
cactagagga	gcaattgagg	aattctttaa	atctttcttc	gcaaatttta	taagaagctt	328800
cactgggtta	gggggtgatt	ttcgaaagct	aataatctta	gcaacagcat	tttttataag	328860
accitggaag	tatgagagtc	ttcttcccta	ctctcattag	gccttccctg	ctcatctaga	328920
addittgaat	aaggaagcat	cttcggccta	cggaaatcat	cagctggaaa	gttcttaaga	328980
agilicalcaa	ttgcagacac	tgaatcttct	tetegaceta	agagtaaatt	aagatootoa	329040
ccagagaaaa	atactgaagg	actggttata	gaaaagacct	tagtetttte	tatagaagat	329100
tgctgataga	ataaataggc	aacgcaaaga	acagagcaga	ccdatadadd	antcaacata	329160
CCCaaaacaa	acgtcccaac	actaatgatg	ccacaaaagt	agagaacaga	catcagtgtg	329220
gctatagcta	agatagetaa	aatcaaataa	gtaatcggtc	ttaaactact	tttcaatcaa	329280
agaccatage	tacttgtgtt	gttcactaca	ggctcatcta	tgactggtac	ttaaaaaaaa	329340
ggtatgttca	tatctaaaaa	tcaaataagt	gttgtaataa	aagatecada	atttttccac	329400
aacctatcgc	ttgcgttatc	tctttgaaag	gaactcctaa	atgttctgct	ataatottaa	329460
gcccctttt	tctagctatq	ccagaacaaa	gcattcccat	tagcatagga	Саявавасс	<b>379570</b>

cagcccaatt	actcatcggc	attgctttct	ctaataaacc	ttttaagaaa	gtctgacact	329580
tgggattctc	gtgtagcaat	tctattaata	aaaatgggtt	ttgtaaaata	acagattgtt	329640
gatttgagaa	gaatgtaaat	aaaagggaga	agtccttgta	gtggctagct	acagaactag	329700
taaaattcca	actggagggt	gacggtatct	tctcacaaaa	tgctaggcgc	tcactcaaag	329760
actttttaag	aacgcttaga	tctttaaagt	catacatata	ctcagaagag	ttgattgccg	329820
·gaacgtagtt	gctcccatct	ttagctgaag	gaagttcctg	agcatcgctt	gggaaaagag	329880
ctcgaaactc	cctttgcatc	tcagaagact	ggaaagataa	aagaaactgc	actatatttc	329940
ctgcttctaa	atgcgccttt	aactcgtcag	taagaagatt	agggtcgtat	gcaacgattt	330000
tttcaataca	cttttcctct	aatgaccatc	catagaacca	aaaattaata	gaaagtacca	330060
acttctgcat	atgaggagtg	agctttcgtt	tttccgtttt	taaagaattc	aggtgcgcaa	330120
tcaactgttg	ggtcaccata	tttaaaggct	ctggttttgt	taaaagaaga	atgagtaggt	330180
cagagettge	atattettet	actatagatc	ccagacgcct	taaacaagcg	gtcaaagagt	330240
actttacctt	gcgactcaag	aaacgaggaa	gaaaaagatt	cttaatttca	gagatgactc	330300
ccctgagcaa	gctaccagaa	ctcttagagc	tttcctccag	agcgcgaggg	aagtcaacaa	330360
ttaacgttgt	gatetettt	tctagagact	gcattcgctc	tgctatcggc	ttagaataga	330420
ctttattctg	atgataaaat	gtactttgga	taacataggg	cttaaaatca	tcttctacta	330480
ttgatgggat	tttagcctta	aaagaaacgg	tcttacgctc	tttgggaaga	ctttgacctt	330540
caaccggaac	aggettaaga	ctttcagggt	cttttatttc	aaggtctttg	gtggggtcta	330600
tetttette	gttagagggc	tcaattaagg	gttttcctcc	cttatacaaa	cacattaggg	330660
aaacaatggc	catcatggag	catactgaag	cggcacaccc	ccaaacaaga	agacctagag	330720
gagcggcaag	tacatgacac	cctaccaaag	cgaaaacaac	acccagcaat	aaaagaaccg	330780
aaatggctaa	aagacagaga	atagtcacag	gagacaatga	gaaggactga	ttcttcctgt	330840
aaattaactc	gtgacttgct	gtggtctctt	tatttgcagt	gaaaaaaaat	aaattaaaca	330900
attettttta	aaaaagttag	ttaagcaaaa	tcgacgaaaa	tattatacaa	aactaattaa	330960
aaaagagaaa	gtttatacct	ccggctatca	gaaaaaagat	tatcattgac	ataatatcat	331020
ccagggccgc	gacaatgggc	ccggaggeta	aagccgggtc	tactcctage	ttagcaaaga	331080
ccaccataac	cadaacccct	agagtcgtag	ctgtgagaga	agctcccaga	accccagtag	331140
ttaaatagaa	geetagttga	atacctcctc	cggagaagat	atttaagcct	agaaagccca	331200
tcatttcttt	aacaayacca	tatagaatee	ctaaaacgac	tcctgtaagc	agcccgatac	331260
traccactaa	aaaaatggtt	catterages	gtccgaaaga	aagegteeet	gtagccatac	331320
gaataaagaa	aatagtgcta	cattgaacac	ctacatttcc	tgacattccg	ttaatcaaag	331380
cadadacact	aatcaaacct	gctaaaaggg	cgggggaaat	ccccggaaa	tatgccatga	331440
atctttqcac	aacatgacag	atctastasc	tcaccaaaag ccacatcttc	ccagggaget	cttagtaaaa	331500
ctatagtete	atcagcgatg	tectegatag	cttcaacaac	atottoataa	gccatcctag	331560
caatcaagaa	attrtcctca	traacaarro	gaagagcggc	acceleataa	graatageee	331620
gatcgacgac	ctcttcacgg	gtagcatcag	gaagcacctt	atorroasto	toattoataa	331680 331740
tttgctttaa	agacateteg	ggagggttaa	tgatcaaact	totatoggta	accacacat	331740
gcaactcgcc	tttaaaatcc	aaaacaaaga	ccaaacgagt	taaatcaatc	ccarrattec	331860
ttcgaataca	agcagaaacg	tctttcacco	ttgtttccat	caaaaaaaaa	aaaaactcat	331920
tggtcatcag	ccttcctgca	gtatttcttc	cgtgtttctg	caaatcacga	atttttagtg	331980
cttttttaga	atctataagc	tcaagaattc	tccgatacct	acgatcgggg	atatcatcta	332040
aaacccatac	cgcttcatct	ggaggcatct	gttcaattaa	adcdcadacc	tcagaatccg	332100
acaacctacg	aaaaatcgcc	caccacaaa	cagaatctgt	attgatgata	aacgcaactt	332160
tagcggtaat	acaagagagg	ttcttatata	aaatagcacg	cgattccgag	ggaagacagg	332220
aaacagcata	agcaaggtct	atcgggttat	actcaatcac	aattttagaa	agatcatgag	332280
aatgtatatc	tgtagaaaga	caagtaaatg	ctttttctaa	cttaaaactc	agctcgtcat	332340
ctagatgact	cgtcctggaa	tccatcaagt	tcccagaact	aaaagctgta	tctagtttct	332400
cttcatttcg	gttttgttcc	ccaaccataa	tcttcccttt	tgattctcta	caacttcacg	332460
aaatgcatgg	atttccctga	ggttagctaa	ataaggatcg	tttaaccact	tggcttctgt	332520
aatacgaacg	ccatactgcg	cagagcgaat	gaccattccc	cacgccttgt	tcacatcttt	332580
gatcactgca	taaaactttc	ccaaagtata	atacgcctct	ggacacccca	aagaagttgc	332640
cttctctaaa	tatgttctag	caagcttacc	taaacacaca	ttcttatttt	tccaaaatag	332700
gaataagtat	acttttccta	acagtagtaa	gaaattctca	tcttcaagat	aaacttcaac	332760
tagaggttct	aaaatctccc	gtgcttcttc	agccgggtct	gtatcttgta	gtaatcttcc	332820
tttccccaac	aaaaccgcag	caagaatcaa	tttaacccta	gaggaggata	aagtaagatc	332880
taccttagtt	aaaagtgtgt	atgcctcatc	ataatgaaac	aaactttgtt	gcagttcggc	332940
aagcaaataa	tgagattgtc	cccaaagttc	taggatttcc	agtcgaccac	ttaaatccca	333000
cgctctctga	taatgtaaca	gtgactctga	taagaaaatt	tctttataag	cttcatcgat	333060
tgtggcttct	gccaagcatt	ttaatgctaa	tcctcgatca	ctccaaaata	aaaaagcctc	333120
rggacgcaaa	gaacataacc	tacttgctac	atctacagct	tttcgtagca	atctagcact	333180
cttttttttg	acccccaag	aaaaatatgc	atcaaataat	ttttgccaca	ttcctgtcgc	333240
acccaaatcc	cattctaaac	aagactgaaa	acaagaaata	gcagaagcaa	aatgcgagtc	333300
crcartdaaa	caaaahacaa	adcaaadctd	cacaacacca	agagcatgga	ctaacdcact	333360

						71090/01090
attgccagga	aacatcctca	tagcagaaat	cagcctgtgc	cgactatctt	taaataaatt	333420
aargggatca	aagtataacc	ttaaaatagc	aatccctgta	gctagtaaac	ctgaaagcgc	333480
cttcatatta	ttcgtctttt	atassa	agccagtttt	tctaaaccaa	cttcaatata	333540
ccctgaaaga	ctattcaacc	Cotonage	aatgaggagc	tcaccccaaa	ccatccatag	333600
atgctcttt	ttaggaaacg	cetgaacygt	ctggtaaagg	atgttcatag	cctgatcaaa	333660
ataattttga	ttataagtca	tatcaccata	cricacagaa	gcaagagcat	agctataacg	333720
aaaatgctcc	taggcaaggg atccctcttt	ctatgaggaa	acastttass	Ctcagaaaaa	tggctttaga	333780
caggccctta	gcatagtcag	catggageaa	agacttcccc	tgtctagttc	ctaaaactac	333840
ggccagacat	ttcatgccgc	aggccaaatc	actonattat	ggtgataaat	ctagagctaa	333900
tataaaacta	cggcccacag	CCtgatacac	agaaggagtt	adgigetigi	ggtataattc	333960
ttgcttagct	cctatacgga	agtgctccca	tccaaaacca	ttetteaatt	aaacctcttc	334020
tttcaaaagc	tgttctatta	aacqqaaatt	atctacaact	tcacacaca	gaggatgcat	334080
tcccgtctga	gaataaagtt	caaaattgat	acaggttett	acagagagaa	accidatete	334140
accagaagca	ctaattccta	atttttcaaa	aaqaaaatct	atataggtca	aaacatcaat	334200
yaaaaccyac	atactttat	gttttaaacc	ataaqaqacc	Ccatagaaa	tractotott	334260
tacaacttta	gggtgattgt	gagtcatcat	taatagagac	CGagacaaag	Ctaactacco	334320 334380
cecycecyye	tegreriger	gtgccaataa	ttcaatttca	GAGGAGAGGA	aatcaaccac	334440
accecegga	caactyaact	catectgeaa	gcccaacata	tttaaggere	ttttagagga	334500
aacaaaaggc	aatyytyatt	taatcataca	CCttctttaa	ttatcatage	taaatcacct	334560
tydaatttat	attagaaggt	gttcttaccc	actaataaaa	actagtttt	daaaaaaatt	334620
CLadadaCCC	tettttaate	ttttcaaaaa	caagaacatc	tatttcttat	tgacaagca	334680
Cilcalcatt	tcatagette	aaaactgaga	tcagtctatc	Ctatttcatt	tttcaattaa	334740
adacattttc	tatctctata	gtgacagtta	tcccctttag	aaaaggct.gc	ccatcatctt	334800
caaaacaaag	agcctgtcac	tataaatctt	gtttaaaact	CGCaaaagac	totaggttaa	334860
accelettga	tacttaaaca	ataaaatttt	tagcactgtc	attececgaa	tcacccatca	334920
cacciacaty	tygatateta	ccactagtgt	cgagccctcg	tctctcaggg	agctggattg	334980
agggatgggc	tccagaaaca	atttctcctt	tatcaaaaag	gaagacagat	tataactaac	335040
aacacaacac	caaataaaaa	gcatgctgtc	ctaaaccttt	acqccccca	CCTCCTTCaa	335100
cattographs	ggaatgagcc	tcattggcta	aagatacaga	tcgcgcaagt	atcacgttat	335160
tataaaaaac	tctttctaca	ctccccatca	atacacggcc	tgcaagaggg	tccaacaaac	335220
gagaccaccc	tcctatcata	catgcagaag	cataaaaagg	agctttcaaa	aaagcagcaa	335280
gtttacagaa	catctctcga	gcaacatctt	tataaataaa	tctatcgtct	tcgggaagat	335340
agcgtatcaa	aaaatgctcg	attotacco	ggaaaargar	ataaaatgga	accactaaaa	335400
caaaacaagg	attgtaaatc	actetaayea	adyctacaaa	aggcatcgca	cacggaattc	335460
aaccotcaoc	gaatgcgcga actcagcgtc	datatateta	grayacattg	ataaaccgca	gctattccag	335520
cgaatttttc	actcagcgtc caaagtatgg	ctagaaata	taggaagga	agcactcacg	tgcttttcat	335580
gaatacacac	ccctgaaatt	acatctactt	tetteccea	acaccytetg	ctaaaaggtg	335640
ctccagtaag	caaaattgtt	gggataagaa	ttactacaat	acgatgtaga	atgtacatgc	335700
ttacaagtgt	accttgtatg	Ctccctaaca	ttatactgaa	tagaatcaac	caggaagtaa	335760
cagcaagagc	gatcaccgtg	agcctcacaa	aaaggttcgc	atcatattta	ttaaatttaa	335820
aaacagaaac	ggacagggta	tcagatctat	gctttcgcaa	tactaaacaa	asstance	335880
gccatccttg	tttggggaaa	gatgccttag	gactaattgg	tottaaactt	togtttgtag	335940
atgtaagatt	aaaacaagac	ataattacat	tataaaattt	tactcaacat	tcaaacccaa	336000 336060
agaaaagaaa	ttcacgaatt	gttatactta	tttaccaatt	aaaattttaa	tccacttata	336120
aaaaaacaac	gctctcatta	tacaaaaaat	aatcttttat	tacttctttc	tatattggtt	336180
ggcctaggtt	taggaagtgt	gcaatcccca	tggattgttt	attetgeega	atocataoca	336240
aatactttc	Ladaattett	acgtttactt	agcatteett	togtation	cacteteese	336300
tccaccatta	cttctataca	aaatttcaat	actatggtga	ctctaggaaa	aagaatttta	336360
tattataccc	rgcrgacaac	agttatcgct	gcttccattg	gacttctgct	attetttt	336420
creegreece	aaatgataac	tcaagatgcc	ctagccacaa	ctacaaagtg	taatccccta	336480
ggalacttgg	atgtccttag	cgacaccctc	ccagaaaata	tctttaagcc	attectocan	336540
ggaaatgtca	tttcagccgc	ttgcctagca	gtcctgctag	gaaccgcgtc	CCTATTTCTT	336600
Caayaaaaag	aaaaacattt	cgtaaatcaa	ttttttaatt	cattttttc	tatetttete	336660
aacceggera	gaggeggtet	aaaacttctc	ccaatagcaa	tactcaaatt	ctctatcatc	336720
Legiticaaag	aattgaaaga	tcaaagcaac	cttacaatgt	ttgccgagta	tetaetttae	336780
aaaatetete	cgaacctcgc	ccaaggtttt	attgttctcc	ccatactact	taaaataaac	336840
tcaaaatcat	ctttaaaagt	attagge	argteteetg	cactagtgac	agctttttc	336900
ataaataaca	cggcagcaac	attracette	accatggaac	ttgctgaaga	tgatttaaaa	336960
tacactactt	atctttctcg ttattctaat	tactottttt	tttatta	ctgtcattaa	catgaacggg	337020
tcqcctctaa	tgtctttagg	atgratttt	attoccasta	taggarata	tatgatcatt	337080
ggcgtaccca	tgggatgcta	Ctttcttact	ctttctcttc	tcacatctat	aygaaatgcg	337140
					····	332300

ttatctatat	taggtctcat	cttacctttt	tatactgtaa	tagatatgat	agaaacttct	337260
cttaatgttt	ggtctgattg	ctgcgtagtc	agtttagcaa	actaacaact	ctcaaaaaaa	337320
ctctcactat	aaaggagtgc	tttaaccatg	aataaaaaac	acgccagttt	ttcatctcga	337380
ctaggattta	tattctctat	gatagggatt	gccgttgggg	caggaaacat	ctggcgcttc	337440
ttttttt	ccgcccagaa	cggaggtggt	gcattcctaa	ttctctggct	atgttttta	337500
actectatea	gggctttaat	aattattata	gaactctcta	ttgggaaact	aaccaagaaa	337560
arraccetta	ttaccactta	taaaactgca	gggaaaaaat	ttgcttgggc	tgggggcttc	337620
accaccettg	attatacagt	tatactcgcc	attendates	caattgtagg	ttggggatta	337680
tggacatccc	actatcagag	ttcaggaaaa ttctatccct	ctctacctgg	gadatgactt	rgcaaaatta	337740
gcctatcttg	tcattcgtaa	aggcattgtc	categggeac	accodecte	taaaata	337800
atccccqcat	tctttctatq	taccatcgct	ctacttttac	gaggagtgag	tetteerage	337860
gccgttcaag	gaatcaaaca	actctttagt	tgtgataaaa	attactttc	aaactacaaa	337920 337980
gtatggatag	aagctcttac	gcaaaatgct	tgggatacgg	gagccggatg	gggcctactg	338040
cttgtgtatg	cgggctttgc	ctcaaaaaaa	acgggagtag	tgagcaatgg	agetetaaca	338100
gctatatgta	ataaccttgt	ttccttaatc	atgggggatc	attatctttt	ccacatgtgc	338160
ttctttagac	attttaggaa	ccacgcagct	acaagatgga	gcaggagent	caagcatagg	338220
gattaccttt	atctacctac	cagagttatt	tacccgtttg	cctggaggaa	tttatctaac	338280
caccctgttt	agctctattt	tcttcctagc	attttctatg	gcagcgcttt	cttccatgat	338340
ttccatgctt	ttccttctct	cacagactct	tgcagaattt	ggaatcaagc	cctacatttc	338400
tgaaaccctg	gcaacaatca	ttgcctttgt	cctagggatc	ccttctgcac	ttagtctcac	338460
atttttctct	aaccaagata	ccgtttgggg	agttgcactt	attgtaaatg	gcttgatctt	338520
tatttacgca	gctttagtct	atggcttccc	taaactaaag	aaagaagtca	ttaacgctgc	338580
tcctggagat	ctccgactca	acaaagcctt	tgattatata	atcaaatatt	tactcctaat	338640
tgagggaatt	cttcttttag	gatggtattt	ctatgaagga	ctcttccctg	aaaatggtca	338700
gtggtggaat	cctatttctc	tctatagtct	gggcagttta	gtcctgcagt	ggtctttagg	338760
casastata	tanatagaagt	tcaataaaca	actttattta	agattttccc	gttacaatca	338820
ttttaaaaaa	aaaaaaatat	cgataattct	actetgaata	ttcagggtag	aatcacagca	338880
toocattaat	Ctatttttag	ttaaagattg ataggaaaaa	catatoto	ctttcctggc	ctagtatgtt	338940
gaattgtcag	accaaatcac	ctgcttaaat	atccaatace	aacacatata	aaccccacaa	339000
agagaaaaca	aaggagatat	tgaaggctta	aaaacactga	ctacaactet	aaccactast	339060
gctggcatac	agcetteage	tgatgaaatt	tactcattgc	aaacagccgc	acceptigat	339120 339180
ttatctgctt	ccgaaaaacc	tggaagcggt	ccctctggaa	gtactgaagg	atctgttact	339240
gttcaatctc	catgcaaatt	caaaaaagta	ctagcagtcg	tattaacgat	aattocttta	339300
attgcaattg	ctgtacttat	agcttgtatt	attgctgctt	gcggaggttt	ccctctactt	339360
ctatcagctc	ttaacctata	taccataggt	gcttgcgtat	cactaccaat	tatagettea	339420
acctcggttg	cgcttatttg	cttgtgcaca	tttgtagcaa	actctctaat	taaacccgta	339480
attactgtcc	gtacaacaag	ataataagta	aaaaacacaa	aaaatagtga	ttttatgacc	339540
tcaccgatcc	cctttcagtc	tagtggcgat	gcctctttcc	ttgccgagca	gccacagcaa	339600
ctcccgtcta	cttctgaatc	tcagctagta	actcaattgc	taaccatgat	gaagcatact	339660
caagcattat	ccgaaacggt	tcttcaacaa	caacgcgatc	gattacnaac	cgcatctatt	339720
atccttcaag	taggaggagc	tcctacagga	ggagcgggtg	cgccttttca	accaggaccg	339780
gcagatgatc	atcatcatcc	cataccgccg	cctgttgtac	cagctcaaat	agaaacagaa	339840
accaccacta	taagatccga	gttacagctc	atgcgatcta	ctctacaaca	aagcacaaaa	339900
ggagetegta	tastastas	agtggttact	gcaatcttaa	tgacgatctc	cttattggct	339960
tratacaca	atasasasa	tgtgcttgga tctgatttgg	actatactac	tettgeetea	agtagcttta	340020
attococtaa	ttggaactat	aggattaatt	ttaacaaata	geggttetat	tatttgcttt	340080
tcttaaaaaa	ataaattgaa	ttagaataag	taatagtaat	tttcttcata	cctaccggct	340140
aattaatcac	tttqttctta	taaaatgtct	tettttaett	agatagatat	ggagtatge	340200 340260
 gagagttttg	cgactgctgt	ttaacctaca	tcatggggaa	gaaaaaaggg	ctttcctttt	340320
ttttctcttg	ggattggtct	gggggatagg	ttgttacggc	actetetete	tagctgaagg	340380
cttattcatt	gaaaaattag	gatcggcaga	attaccaaaa	atttatttag	gttcttctct	340440
gatcctttgc	gttctttcat	ccctaattct	ttacaatctt	tttaaaaaac	acatctcage	340500
aacagctctt	ttcttaattc	ctgtttcttt	atctatcctt	tgtaatttt	atcttattct	340560
ctcttctatc	tttgctatcg	atcccccccg	gtctcctctg	tttttctatc	ggattgtaat	340620
ttggagttta	acgattctct	cttacacgag	tttttgggga	tttgtagatc	aatttttaa	340680
tttacaagat	ggaaaacgac	acttctgtat	ttttaatgct	atcatcttct	taggagatgc	340740
tatcggcagc	ggaatcatag	ctagcctggt	acacacaata	ggaatccagg	gcatcctgat	340800
tctatttaca	gcagccctgg	tcctgacatt	ccctatcgta	ttctatgttt	caaaatctct	340860
aaaaaca++~	aaactotet	atgacctttt	catagataca	ggccacccac	cacccttatc	340920
totoatocas	tractacco	tttatgataa ttgctacaga	atttaaatat	ttassatt	gcttttattt	340980
		uccacaua	SCCCAACIAL	ccaaaaatct	CEGRAATTCA	341040

atttgcctct	. 320022202					
ttctttagg	aayyaayaat	Legaactegt	cgcacacata	ggaaagtgtt	ccctgtggat	341100
00000000990	· warargryci	· LLGCTCTTT	. COCCTacant	2022120122	2000	341160
~900ac	· accacttat	· Ludciccaci	atottteta	2000+0+++0	+-+++	341220
	. weekedagea		. EGCTATGGTA	- Otacatasaa	aaatt.aatt.	341280
-3	gacaacaacc	LCCaactact	Catctatooa	Officeres es	222400000	341340
00000000	. weeg cag egg	adiccittat	agaacctatc	accatattac	totootoott	
agtctgtttc	ttgtcttctc	aacaatatgt	gttctgccta	atcatctcac	taatcgccac	341400
tattctggtt	tgcctcgtac	gctcttatta	tacassaca	attatata	atctatctgc	341460
acaagcccta	caacttacco	actetateea	ogcgaaggcg	accecaaaa	atctatctgc	341520
aaagagacaa	gtcgaactct	tottacte	agaliggate	aaatctatga	cagttaaaca	341580
aacctttcct	tttcaacatc	tettactige	tcatcttaaa	caccccagtg	agcgtcatca	341640
tacccatata	2222222	tettaaatet	agcaagccgc	agtgtccttc	caagcctcct	341700
-gooda cacg	aacaagcica	geeteectaa	taaactcaag	actatagaaa	taataaaata	341760
cagocaacgg	gccaaagatt	LLCCAACCEE	agageteeta	aaacottooa	0330tst	341820
	gccattgcat	Cadcaataca	CCTTTattt	CCACAACACA	atotoctaca	341880
	accyclyaay	accecetatga	tactottoor	datagacttc	ttaccaaaat	341940
	agaagacagg	aducttatog	gccctatega	daccttdcad	202200000	342000
gaaagaacca	cicaacicgg	atcaacctga	agatatagte	atagaattas	ccatagtgaa	
attagaaaag	aatccacaga	acttcccaat	tcttttagac	ttattanaa	ccatactgaa	342060
agatatetta	attotcacct	gcaaagccct	acacacttct	attan	ccaaaaacga	342120
ttattgcccc	gaacttctga	aaacaactacc	acacacttct	gctagagcta	atcataaacc	342180
atatchatta	aaaacaatta	adagactacy	acaatgctcg	cataatgatg	aagcaagtca	342240
gacaacatea	addacaatta	geattgettt	agatatetea	ttcgtaaaag	acttactgat	342300
gacaacacca	caaccaaaaa	acacctctag	aaaatatoct	gaggetatga	ttddagaatt	342360
ggacaaagaa	gregededag	catttctcca	agtcctcacc	gatgagggaa	Cacacaates	342420
cegeegeace	citycogcoa	aagccctctg	taaaatcgat	aattggctgc	traaaaaaca	342480
egegeacaaa	accycyaagt	ccaaagcaag	taaggetetg	ttctattcct	atcacaacca	342540
ttacattcaa	aagaaatacc	ccacatacaa	cctcagcttg	ctaggaaaca	Cattasatto	
taattattat	gcagaagtaa	acttcatoct	ctctctccta	aggettate	cattaaattt	342600
gcactctggt	gtactgattc	gagcattaac	tagtaaaaac	gggattettg	greecatgga	342660
actagaatct	ttagaaaaaa	actocoateo	cagedaaaac	Caadaaacca	aagcacaagc	342720
taatcaacca	ggcatgtgct	ataggatag	ccacttattc	tetttactag	aaccctttgt	342780
aactcttaaa	gacatatac	acagcgaaaa	atactacttc	aaatgtggtg	tgattcctct	342840
2002000000	gaactittaa	atatgatgga	aaactcccca	tcatctttaa	acaaactaac	342900
agcacagcaa	Cicaaagaag	aactttccta	ttgcgatcca	gactttccaa	tctqtaaata	342960
caacctataa	ccaagaacat	gaagacttca	ggacagagga	atcagaaacc	Ctaatatctt	343020
cccacctat	Ctaaacttca	atgattccaa	tttagatatc	Сасадалала	ccttaggaaa	343080
ccgaagattt	aaaaaaacca	agattgattt	ataagtttcg	actocaagaa	aaatcaattt	343140
caacggttcc	ttcttgaaac	tcttctatct	taaaggtaag	atctacgtat	caagtattac	343200
atctgtggtg	atattaaaat	ctttgatttt	aacaacactg	attettetta	aaccattete	
gaggcttttc	tttaaactac	ctgcatcgta	gttattgctt	Ctateettee	aaccattgtg	343260
caatccatct	caaggatacg	tetetataca	tttacttttg	teaccettee	Caaaacaaca	343320
gtgaataagg	aacttttta	taaatttaat	santage	Ccaaaaacta	aaactatggt	343380
tatattccaa	tetttagaga	taassettet	cgatcgcgcc	tttctactaa	aaaaaacgat	343440
aatatttaag	cetecagaca	eggacettet	tttaacaatt	gccgataaaa	ctgaaacgat	343500
Catteteday	cccggcagca	atgtattete	tataggacaa	cctggattca	gcttttatat	343560
cattgtagaa	yyatacatta	cgatctctaa	aqaaaaacta	gagtctcctc	taaatttaaa	343620
accellagae	rgrettggag	aggaaagctt	attcaataat	aagcccaggg	aatacaatac	343680
cccycaaac	acacaagtcc	gcatgctagt	tcttagcaaa	ggacaaattc	taaacattot	343740
ggaagagege	ccatccgtag	ctttatcttt	tttagagete	tatoctasac	222tc22ctt	343800
cayagaacct	taaaaagaca	aaataaatct	ttctagatga	gctactctat	202222222	343860
gcacgccgta	atcactattq	aaaaacaata	gctttaaaaa	agattagga	agadadadag	
tataagaaag	tttattgttc	agettgaegt	ttcttaatat	agattactac	gcacccagaa	343920
gtacgaaget	teteageate	ttcttctcaa	atttcaaaag	aaytaaatac	acccccgaca	343980
ataatcaatt	Ctattasata	tasaatataa	accidadag	caaatttttc	ttctaaagtc	344040
tcattaactt	Cttttggate	caaactatca	gcattcaagt	cttcaataaa	agaagagttc	344100
totanagtan	ttante	cactcctaac	tgctcaacaa	taattgctat	tacatcatct	344160
300manacica	ttgcttatat	ccttttacta	tttaaactat	acaatacttc	actattccct	344220
agggacaaag	agaaagagaa	ttagtatcgc	aaaaaatcat	tttttattca	accontractt	344280
aattagttet	cgaagagaaa	ttttcaaatc	cctttcttct	attotottad	taadtcaatc	344340
cccatcaac	aaccagtgtc	tgcgcggtca	tatagetega	taactocoad	actasasacs	344400
acgccacacg	agcaacatct	tctggagtgc	carccctacc	taaagggatc	gacttaagcc	344460
acteagettt	taaattgtca	ttcaacacgc	ttatcatate	totttcaata	aagcctggag	
caaggcagtt	gacacgaata	tttcttacan	ctacttcctt	acctassant	tttatatatat	344520
caataatccc	agctttagca	gcagcatage	tggtctggcc	cacacagat	-t-grgaaag	344580
caatagaagc	cacatttata	atacatcote	aacccccccct	cgcactaccg	atcttagcaa	344640
aggaacatot	ataatacee~	dagatette	aacgcgcctt	aatcatatgg	cgaatcactg	344700
Cadacateca	Catcanana	yaayttaagt	tggtgctaat	caccgattgc	cagtcgtcct	344760
ttttattat	cattadacaaa	LEALCCCTgg	taatgcctgc	attatttacc	aaaatatcta	344820
recegeined	cccacctaaa	datttctca	cacaatettt	cactocacca	++=+~~~+~	244000

carccacacg	agcaaaagaa	acttcgccac	ccaagcctgt	taaactttct	ataacagcct	344940
gacetegete	CECALECAAL	ccccaaattt	ctacatetee	tecettetea	agaaaaagct	345000
Laactatece	gagiccaatt	cctcgagatc	ctccagttac	tataactttt	ttreetacta	345060
atguatace	catacaaatc	atacctctga	taggaatttt	tcaatctgag	casasatacc	345120
aayacttgta	accggtttag	aaatccctat	agagcgattt	<b>A</b> aaccadcca	aaacttttcc	345180
·Lggacctaat	tctaaaaact	catccacctc	tgattcgata	tootaacaac	tctgatacca	345240
LaacyLaggt	gatgtcattt	gccgagctaa	acactctcgc	atttcttcag	tatttactaa	345300
agaillicet	accacgtgtg	acactaaggg	aaggctagaa	tettteatec	ataaarcata	345360
aacyccigga	getaageeat	Cttgagcaac	ttqcattaaa	ggagtatgaa	atoctccada	345420
Cacccccada	egaaetgett	ttttacatcc	taaatcacga	aataactcaa	teactteate	345480
Cacccccccc	getattecag	ccactacaag	ctatttaaat	gcattataat	tagcaatcca	345540
aatteettga	ccaagacttg	ttatattttc	ctctataact	tcagagggaa	gccctaataa	345600
ageegeeata	gcccctgggc	tctgattaca	agcttcattc	attaactgac	cacgetttet	345660
aacaagctca	aggccgtcga	gcacggagat	tctatcggaa	gcaactaaag	cagtatactc	345720
ccctaaactt	aatccagaga	ctaaagaagg	ctgaatagaa	gaacgctggg	atagaacctt	345780
Laccacagee	atgctatgaa	gataaatagc	tagctgacta	tgtactgttt	ccatcaaaag	345840
acceccagga	ccttcaaaca	taattgaagt	cagagaaaat	cctaaccttt	cattagcaaa	345900
accaaaaagc	tetetaacet	caggatactc	catatatagg	tcttgtccca	tacctacata	345960
ttggctccct	tgtcctggga	acaaaaaagc	ataacgtttt	ttcatgaaat	tatcgtcctt	346020
attagacctg	ctttaaaact	actgcgcccc	aagacaaacc	gcccccaaag	gcaactaaaa	346080
gladalaatc	atcaagctta	atggattctg	tatgaactaa	ttcatccaaa	gcaatgccca	346140
cagacgaggc	cgcagtattt	ccatacttat	gtacactctt	aaacactcta	gactcatcaa	346200
colleadaacg	cttcgctaaa	gcatctatta	ttctttccat	ttagcttgat	gaggtacaaa	346260
caacctata	- CCCCCCCCCC	gaatgcctgc	cagggctatc	gaatgtttag	ctgccgtttc	346320
trattataaa	acagcatget	taaaaacttc	ttttccctcc	agagcaataa	aatgtttgcc	346380
totootage	taccatatas	aagcaggaca	acgactacct	ccagcaggaa	ggcttaatac	346440
ctctcccagct	taccatetge	gcctaaagac	aacctattaa	tctctaaaga	tcctggccga	346500
ctataatcta	Caaaagaaga	agctcctcca	ccccaaaca	acacacaggt	attccgatct	346560
cctdattcta	Cataagaaya	caacttatca	gcagcaatta	acaatacatg	gttatatgta	346620
togcaatcaa	atgtagggag	agctacagac	aaaccataca	aatacccagt	acaagccgcc	346680
atgggaaaat	ataatctggt	atcctcaatg gctgctgtcg	agazazateat	cttgagcaag	actccgcttg	346740
ttaaacccgc	atttgctata	gctttctctg	caccatac	acagtcaatc	tgatecttge	346800
cctgaggtcc	agcaatacga	cgctctttga	tecceattet	cccataaga	gaagtgtact	346860
aggtatctac	cattttttt	aaatctgcgt	ttgaaagaac	tttctcaccacc	cactcatcag	346920
ccgttgccca	aattgctgct	tttttgtttt	tattcacaca	gaaccagata	tasaggaac	346980
agctagtata	ctattcagag	agtttatact	ctaaccttaa	tttaggccc	adagaaaaa	347040
gtaaaaataa	aattcacatc	actatgacaa	gatatccaga	ttacttatct	agacccgaat	347100
tctttttacg	aaaacttcca	ggaattggat	traaaacagc	agaaaaactt	additaditi	347160 347220
tcatctcttg	ggacagcgaa	caattaaaaa	tattaggtaa	cacttttcat	aatattaata	347280
gtgagcgtag	tcactgtccc	ctatgtttta	ctctcaaaga	atctaaagag	actigues	347340
acttttgtag	agaagaaaga	gataaccaaa	gtctatgtat	tatcacttct	CCaaaacatc	347400
ttttctttct	agaacgttct	aaagtattca	agggacgtta	tcatgttctt	agttcactct	347460
tatcgcccat	tacagggaaa	catatagaaa	acgagegtet	ctccatttta	aaatcaccca	347520
tagaaacgct	atgcccaaaa	gaaattatcc	tagccattga	tgcaacctta	gaaggagatg	347580
ctactgccct	ttttctaaaa	caagaattac	aacatttctc	tgtaaatatt	teceatetaa	347640
ctttaggtct	tcctataggc	ttatcttttg	attatgtaga	ttcagggaca	ctggcaagag	347700
ctttttctgg	acgacactcc	tattagcagc	tctcttatcc	taaaaqtaaa	caagttetet	347760
tctatgctag	tctttcttac	tttcccctag	gacacagtga	attatcgaat	ttgccttaaa	347820
accatgtaat	cagtagagtt	atttgagcga	caaggtttat	taagcttttt	aaggaagcaa	347880
aaaacccgcc	gaaatattca	ggctctagtc	tgagcacagt	aataatcccg	gtgttaggac	347940
gggaaaaaat	caaacacaat	ttaaatttct	ttagaaatac	aaaaataatc	taaqtaqtaa	348000
ggtcttgtta	aaaaacttct	ttgtccctat	ttttgtgctt	acctcattat	ctgataaaca	348060
agctttctat	ctagggaaga	ctcttgggaa	tgctcatcat	gcgaaataaa	gttatcttgc	348120
aaatatctat	tctagcgtta	atccaaaccc	ctttaacttt	attttctact	gaaaaagtta	348180
aagaaggcca	tgtggtggta	gactctatca	caatcataac	ggaaggagaa	aatgcttcaa	348240
ataaacatcc	cttacccaaa	ttaaagacca	gaagtggggc	tctttttct	caattagatt	348300
ttgatgaaga	cttgagaatt	ctagctaaag	aatacgactc	tgttgagcct	aaagtagaat	348360
tttctgaagg	gaaaactaac	atagcccttc	acctaatagc	taaaccctca	attcgaaata	348420
ccatatete	aggaaatcaa	gtcgttcctg	aacataaaat	tcttaaaacc	ctacaaattt	348480
accgtaatga	ccccttgaa	cgagaaaaat	ttcttaaggg	tcttgatgat	ctaagaacgt	348540
attatctcaa	gegaggatat	ttcgcatcca	gtgtagacta	cagtctggaa	cacaatcaag	348600
addadaggtca	calcgatgtt	ttaattaaaa	tcaatgaagg	tccttgcggg	aaaattaaac	348660
agerracget	cccaggaatc	tctcgatcag	aaaaatcaga	tatccaagaa	tttattcaaa	348720

ccaagcagca	ctctacaact	acaagttggt	ttactggagc	tggactctat	cacccagata	348780
cegeegaaca	agatagettg	gcaattacga	attacctaca	taataacggg	tacactasta	348840
ccacayccaa	CLCCCactat	gaccttgacg	acaaaqqqaa	tattettett	tacategata	348900
cegacegagg	gicgcgatat	accttaggac	acgtccatat	ccaagggttt	gaggttttgg	348960
eastatoron	tatagaaaag	caatcccaag	tcggccccaa	tgatctttat	tgccccgata	349020
ccaatataga	rggggccac	aagatcaaac	aaacttatgc	aaagtatggc	tacatcaata	349080
acctaactca	agggtotact	atccctcacg	caacccgccc	tatttatgat	gtaacttatg	349140
Caaaatctca	agggteteet	tataaagttg	ggttaattaa	aattactggg	aatacccata	349200
taaaactaga	agatagtga	cacgaaacca	gtctcttccc	aggagataca	ttcaatcgct	349260
totatacagt	trattetess	caacgtttaa	gaaatacagg	ctacttccaa	agcgttagtg	349320
ttgtagaagt	tegtteteaa	acanagana	rgggcaatgc	ggatcaatac	cgagatattt	349380
ttgacaatct	caaagaaaca	attoaactat	acctaggett	attettagga	tttagttctc	349440
gaaatatatt	ttctaaaggt	tttcattatc	taagaagtaa	ttttgatcta	tttggagcta ctattcttaa	349500
aagccaactt	cggggacaaa	gtcacagact	atactttcaa	cygagaacat	ctattcttaa	349560
taaacactcc	ttggatttta	ggaattgaat	tagataaatc	grggaccaaa	cctcattttc	349620
aagattatgc	tgtccaaacc	tataacaaaa	acotcaccac	aaccaacaga	gcattatcta	349680
acctgaaata	cggtctattt	tatcgaggaa	gtcaaacgag	tttacatora	Ligaacgaac	349740
tcctcctagg	gccaaatata	gacagcaata	aaggatttgr	Ctctcctcca	adacgtaagt	349800
tgaattacga	ttctgtagat	agtcctagaa	Ctccaactac	agggattcgc	ggrgccaact	349860
cttttgaggt	ttctggtttg	ggaggaactt	atcattttac	agagatetetet	9999999cga	349920
ctatctatag	aaaacttacg	cgtaaaggta	ttttgaaaat	Caaaggggaa	Cotcasttta	349980
ttaaacccta	tagcaatact	acagetgaag	gagttcctgt	cagtgaggg	trottoctic	350040
gtggagagac	tacagttcgg	ggatataaat	cctttattat	cootccaaaa	factotoona	350100
cagaacccca	gggaggactc	tettegetee	ttatttcaga	agagtttcaa	taccetetea	350160 350220
ccayacaacc	taatattagt	gcctttgtat	tcttagactc	aggttttgtc	ggtttacaag	350220
agtataagat	ttcgttaaaa	gatctacgta	gtagtgctgq	atttggtctg	Cacttcaata	350340
taatgaataa	tgttcctgtt	atgttaggat	ttggttggcc	cttccqtcca	accgagactt	350400
tyaatggaga	aaaaattgat	gtatctcagc	gattettett	tactttaggg	ggcatgttct	350460
aayatataaa	ttaaggactt	atcgaaggaa	atctttgttg	ttttcagaaa	aggettttgg	350520
Laccottttt	ctatacccaa	gtttagtaca	ggtaattatg	aaaaaattat	tattttctac	350580
acceeeee	gttttaggat	caacaagcgc	agctcaatgc	aaatttaggc	tatgttaatt	350640
taaagcgatg	tcttgaagaa	tccgatctag	gtaaaaagga	aactgaagaa	ttggaageta	350700
ngaaacagca	gtttgtaaaa	aatgctgaga	aaatagaaga	agaactcact	totatitara	350760
ataagttgca	agatgaagat	tacatggaaa	gcctatcgga	ttctqcctct	gaagagttgc .	350820
gaaagaaatt	cgaagatctt	tcaggagagt	acaatgcgta	ccagtctcag	tactatcaat	350880
Carcaatca	aagtaatgta	aaacgcattc	aaaaactcat	tcaagaagta	aaaatagctg	350940
cagaaccage	gcggtccaaa	gaaaaactag	aagctatcct	taatgaagaa	gctgtcttag	351000
aaaaacaaaa	tgggactgat	addacaaccg	aaattattgc	tattcttaac	gaatctttca	351060
ttaaacagtt	ctagtccaag	ctacaggagt	tttctatgtc	cgaagcacca	gtctacactc	351120
caggtgttga	agctgagcta	Cacaagteg	addicaagg	aaatatagaa	actcctattt	351180
aatactctag	agatattagt ctttctaaaa	aacaccaaac	ctcaccatat	tgetttttta	gataatgaga	351240
caatgcaaca	tgcccaccta	aacaccaaag	ttottattac	cattleatet	agateteagg	351300
catttcaaaa	gtgcatagag	ttgtttattg	aacccataac	atcaggattt	ccttctctaa	351360
atcctactgc	agtgattcat	cctactocac	gtattgagaa	accayyyttt	cccggtatte	351420
acgttgtcat	tagtcaacat	gcccatatcg	gctctgagaa	atacategea	acayaaccee	351480
tcattggagc	tcacagcgtt	ctaggtgcta	actototoat	tcaccctaac	gttggaagtg	351540
gagaaagagt	cctcatggga	aaccgtgtag	ttattcaacc	tagaactatt	ttaggatect	351600 351660
graditteaa	ttatattaca	aatgcttttg	gtcatcacaa	acctttaaag	catctagget	351720
argreatret	aggtgatgat	gtagaaatcg	gagccaacac	tacqataqat	cataatcast	351720
tcaagaacac	cgtgatccat	gaaggaacta	aaatagataa	ccaagtacaa	gragereate	351840
acgtagaaat	tggaaagcat	agtattattg	ttqcccaaqc	aggcattgca	ggttctacaa	351900
aaattggtga	acatgtcatc	attggagggc	aaaccggaat	tactggggat	atttctattc	351960
cagaccatgt	gatcatgatt	gctcaaactg	gagtcacaaa	atctatcacc	tetecagges	352020
tttatggagg	cgctccagca	cgaccttatc	aagaaacaca	tcggttgatt	gctaaaattc	352080
ggaaccttcc	taaaactgaa	gaaagactaa	gtaagttaga	aaaacaagta	agagatetat	352140
cyactcccag	ccttgctgag	attccttcag	agatctaaaa	ttctatttat	tttattactt	352200
ttgaaatcaa	aaaaaagacc	aaataattaa	atatataaag	aacgtactct	tetttttate	352260
anttacatas	tcatgatatt	taga	atttctgggc	taatcttccc	tgtccgcaat	352320
tetecaceae	ctattttcat	tetta	aattcatcca	gattagaaaa	gataaaacat	352380
ataaacttca	agtttaaagc	atctacete	Lgctctgtat	tggaaagtat	agacgggctt	352440
ctatatetea	atgaagaaaa	actorates	adagcaaggc	cccgaattgt	attcgctaag	352500
	acqcaataqq	uc ccua cdaa	accdaaddra	аадтаддсас	atrattatra	うとうにてい

```
taaatacgtg cttgaatatt tccactacgc ttgagtcctt gaattagttt cacatagttt
                                                                        352620
  aataaatcta tatccacaat ctctttaaaa attaaagtga aagcaactcc atgttgcttt
                                                                        352680
  aaaacatccc cgagctcctt gcctagctca ctcatgctct gacaattcaa aagagagata
                                                                        352740
  ttcctatagg ttaaataata acgtagacta tttacaacgg tagttcctaa aagaagcggt
                                                                        352800
  aggtctagct ttttattcac agtaacaaca tgctcacact gttgttcgaa taatccgcaa
                                                                        352860
  cacagtaaaa cccctcccaa acctatagaa tcatttaaat gacaaattac ttcggtaaat
                                                                        352920
  tctacccagt cgctactaca tccgggagaa taaaaaaata actgagctat ttttttatcc
                                                                        352980
  atcgaagtta acatggcaaa caatteetta gtttgeteea actetteatt tttgaatgge
                                                                        353040
  aaccattgag ttttttttaa gtagtagttt ttagagtccg tcttacgatt ctgaaattct
                                                                        353100
  tgagcagaag caacaatacg trttgttata gttaaaagct tttcctctaa ttcttcatga
                                                                        353160
  tctcgagatt tatcttcact aggcttatga tcaaagtttt tgatgacacc gtctatcgaa
                                                                        353220
  tccacgtaaa actgagtgtg tcgattaatt ttacgagaaa cgtccatgtg atgtaatcct
                                                                        353280
  ttttgttctc tttaaattgc cacgagaaac atattaaaat tttttcgatt ttttaaaaaa
                                                                      353340
  acttaattat tttttcttcg gatagccett gtettttgaa acetaggete etataatgag
                                                                        353400
  atcaaaaacc gctcccgaag cgtctccctt ataaaaaagt tatggatagt tcagcacctt
                                                                        353460
  ataatatage tteteaggge acagagaaat ecacagtaga aaggatetta gacetttaeg
                                                                        353520
  ggcccgcttc ctgtattaaa tttttaaaac agatggttct gattcgtgaa ttcgaagccc
                                                                        353580
  gaggagaaga agcctatcta gaagggctag tgggtggatt ttaccactct tacgctggcc
                                                                        353640
  aagaagetgt agcaactget geaategeaa acacaggaet agateeetgg gtgttetett
                                                                        353700
  catacegety ecaegeactt gegattette teaacattee eetteaagaa attgetgetg
                                                                        353760
  aacttttagg gaaagaaact ggatgcgctt taggtcgtgg aggatccatg catatgtgtg
                                                                        353820
  ggcctaattt ccctggagga tttggtattg tcggaggaca aattcccctc gcagctggag
                                                                        353880
  ccgcatttac catcaaatat caagaacaaa aaaatagagt ttctctatgc tttatcggag
                                                                        353940
  atggtgcggt agctcaaggt gtattccatg aaactctgaa ctttgtttct cttcaccaac
                                                                        354000
  tccctctaat gcttattatt gaaaataacg gctggagtat gggaacgtca ttaaatcgtg
                                                                        354060
  ctgttgcaaa acagcccata gcagagtctc aaggaagttc ctacgatatc cgtgcagtca
                                                                        354120
  cagtcaatgg ttttgatcta tttaactctc ttttaggatt tagagaggct tatcgctata
                                                                        354180
  tggttgatac cgaatctccg gttttagttg agtgtctctg ctcccgattt cgagggcatt
                                                                        354240
  ctatatcaga tcctaattta tatagatcga aagaagaaat gcagtgttta tttaaaaaag
                                                                        354300
  atcctattgt cctagctaaa gattggctaa ttcgattaga ggttctgact gaagaggaat
                                                                        354360
  ttcaaaatat acgccaagaa tgcaaaactg ctgttttaga agcgttctct aacgcaaaac
                                                                        354420
  tctcatcaga tccatccgtc accacattag aggaaggagt ctatgcctaa acataaaaca
                                                                        354480
  ttagaaattc gagaagetet eegagaagea attgaegaag agatgteteg egateetaat
                                                                        354540
  gtctgtattc ttggtgaaga ggttggtgac tacaatggtg cttataaagt caccaaaggc
                                                                        354600
  ttattagata aatggggccc taagagagtc attgatgctc ctattagtga agcagccttc
                                                                        354660
  tetggaattg gaataggage egeattgtea ggeetgegee etattataga atttatgage
                                                                        354720
  tggaactttt cctttgtagc cttagaccaa atcatttctc atgcagctaa gatgcatttt
                                                                        354780
  atgactggag ggaagttttc cgttcctata gtttttcgtg gccctaatgg tgctgcagcc
                                                                        354840
  caggitatett gecageatte teatigegit gagitegitgit atgetaatat tecaggitett
                                                                        354900
  aattattata gccccttcga acccttacga cgctaaaggc ttattaaaat cagcaatcag
                                                                        354960
  aaataaanaa ccccgttctt tttttagaaa acgagctaga atataacttt aaaaggggaa
                                                                        355020
  gtccccaccg aagaatatct cgttcctatt gggaaagcac atagagttca agaaggaaat
                                                                        355080
  gaccttacaa ttattactta tagccgtatg gtttccatta caaaagaagc gtgttctcta
                                                                        355140
  gccaaaaaac gttggggctt gtctatagaa attattgatc taagaacgat caaaccttta
                                                                        355200
  gacatatcaa caattttatc atcggtacga aaaacttcac gctgtattgt aattgaagag
                                                                        355260
  ggccactact tcgctgggat ttcttctgaa attattgccc tgattactga gcatgtttt
                                                                        355320
  gattetettg atgeteecce ettaagggta tgecaaaaag aaacgeetat geestatagt
                                                                        355380
  aaaatcttag aacaggccac tttgcctaat gttaaccgaa tcttagatac cattgaaaaa
                                                                        355440
  gtcatgaggt aagtttgtga teteettatt gaaaatgeca aagetttete caactatgga
                                                                        355500
  agtgggcact atagtgaaat ggcataaaaa aagtaatgat caggtcagtt ttggagacgt
                                                                        355560
  cattgtagag atctctacag acaaagctat tttagaacat acagcaaatg aagatggctg
                                                                        355620
er gattegtgaa atettaegte atgaaggega gaaaategtt ataggeacee etattgeggt
                                                                        355680
  actetetaca gaageeaaeg ageeetttaa tetagaagaa ettetteeta agaeagaaee
                                                                        355740
  ttctaacctt gaagcatctc caaaaggttc ttctgaagag gtctcgcctg caacaactcc
                                                                        355800
  acaagctgcc tcagcaacat tcacagcagt aacttttaag ccagagccac ctctcctc
                                                                        355860
  gcctttagtc ttcaaacacg taggcactac gaataatctc tctccattag ctagacaact
                                                                        355920
  agcaaaagag aaaaacatag atgtctcatc aattcaaggg agtggtcctg gaggacgtat
                                                                        355980
  agtaaaaaaa gatttagaga aagctcctcc taaaagcatt gctggttttg gctatcctga
                                                                        356040
  gtctcccgaa gtgcctccag gttcctatca tgaggagaat ctctctccga ttcgggaagt
                                                                        356100
  gattgctgca cgcctacaag ctgctaagat ctctattcct cacttctatg taaggcagca
                                                                        356160
  ggtctacgcc tcacctctcc ttaatctgct caaagaactt caagctcagg gaatcaaact
                                                                        356220
  ctctattaac gattgcattg tacgtgcctg tgctctggcg ctcaaagagt tcccttctat
                                                                        356280
  caattcagga tttaacagtg tcgataataa aatcgtccgt tttgatacta tcgatatctc
                                                                        356340
   gatagetgtg gecatteeag atggaattat tacgecaatt atacgetgeg cagacegtaa
                                                                        356400
```

aaatctcggc	atgatttcag	Cagaaattaa	gagettage		gaaatcaatc	
tcttcaagac	actgaataca	aaggagggtc	CttCtatata	: tatanatta	gaaatcaatc	356460
aatcactgaa	tttacagcga	ttgtcaatcc	tecteaage	. cccaacttag	ccgtaggaag	356520
tgttacagaa	caagctcttg	ttcttgacgg	agaaattact	ataggateta	ccgtaggaag	356580
	gragarrara	gagugatta	LOGILLATOCT	CCTCCCSTCT	******	356640
· attacaaaag	atcttagaag	ctccggctat	cctactatta	aactagcaat	ctatgaaacg	356700
aaaggactct	ttctatagct	ccttggctat	ggaaagagtc	cctgattcca	tostatata	356760
ttcttaattt	ccttctccag	agcaagattt	tgtaggaaca	tgccaaatat	ctctgcctat	356820
atcctgaatg	gctctgtcac	tagagaaaaa	gccattcct	gcagtattat	anatagnata	356880
cttagtccat	gaatctggtt	ccttaaagag	tttgttcaca	tttcatggg	Caccatata	356940
agactccaag	ccagccaaga	caaaaaaggg	atctccttca	tacaataaac	Catotactat	357000
cygilladac	agalettat	cattgctatt	gaaaaatccc	tottctagca	22tct2222	357060
cigacygatc	LLaggattet	tatcacaaat	tgtctgagga	cagtattece	tccccactta	357120
cacaactcgc	LCCLCcaaaa	gaccaaaaat	aaacatattc	teettaccaa	tatoctotos	357180
caccicaca	LLLgCaccgt	ccatagttcc	tatagtcaga	gctccattca	22772225++	357240 357300
catattttt	gttccagaag	cctccattcc	agctqtaqaa	atctgttctg	aaagatgtgt	357360
accaggaatg	acacycicag	Ccatagaaac	tcgatagtta	ggtaaaaaaa	Gaacettaa.	357420
CLLaccacca	actogagaat	cttgatttac	aacqtcaqca	accctattca	ttaactteat	357420
aacgagtttg	gecatgacat	agccaggagc	cgccttacca	gaaaaaatta	ctattataca	357540
gacgacaccc	Lyactagggt	tttcttcaa	gtcattataa	acatagatga	CtCtaacaat	357600
acteattage	tgtcgtttat	actcatgaat	acqcttaata	tgacagtcaa	20202025	357660
agggtttact	acticiccaa	cttcattata	aattctactt	gttagatoct	acttatttt	357720
Laattttacc	cctttccaat	gateteggaa	accactatct	teggeaaagg	22CCC2+c22	357720
rgaaagarga	gaaagatcaa	tgatataacg	atcccctata	qtttcattga	gaagettagt	357840
caaacyayya	LLacagagag	caatccatcg	togtggagtc	accccatter	tcacatteat	357900
aaacttccca	gggaaaaact	cataaaactc	tttaaagaga	gtatettaa	tcaactasas	357960
grggaargac	gaaactccat	ttacttttgc	agaacctact	acggcaaggt	ttoccatatt	358020
gatacycttt	tgataccctt	cttcaacaat	ggataaaqac	COOCCETAL	catcatttt	358080
aggatagega	gagccaactt	tttctaacca	acgggaattt	atttcataaa	taatctctaa	358140
argeegagge	aataacttag	agaataaatc	gagaggccat	CtCtCtaaag	cctctagasa	358200
garryrarga	ttggtatagt	taaagatgac	tgtagtcatc	tcccaageet	tateccaage	358260
Caactcctcc	ctategacta	aaatatgcat	catttcagca	atccctagag	Cadastagat	358320
accycciaac	tgtactacga	ctttatccgc	aaggttatcc	aaacaaatat	atatette	358380
acacccgcgg	ataatatett	gaatggttgc	tgaaactaaa	aaatactctt	atttaacaca	358440
caatteetge	ccctcagtaa	tagaatcatt	aggatagagg	acocoagaga	tattttctat	358500
caaggcgata	tcttctatag	cctggatata	gttcccataa	ttaaaatagc	tgaattgaaa	358560
gcccegegga	gattgtgctt	gccatagcct	tagagaattt	acagtateat	taccutacco	358620
ayyaaccgga	atatcataag	ccatcgccaa	tacctcttgg	gtatcgacaa	gatctgccac	358680
gractetee	çgagaatcgg	tataatgaat	gacccttcca	taaaatcgta	cgggatagag	358740
gtactetece	ctacagattt	cccaaggatt	tccataacgt	agccactcgt	caggagcttc	358800
accatagatac	ccgttgacga	tcctctgatc	aaaaatacca	taatcatagc	gtataccgta	358860
Gaaaaaaaa	ygaactgcta	atgtagccat	agaatccaag	taacaagetg	ccagtctccc	358920
cadaccacca	LLECCEAACC	ctgcatcgga	ttccatttct	acaaggtggt	caaactcata	358980
tattagagtt	ctagtgcct	tccttactaa	atctagaatt	cctaaattca	aaagattgct	359040
tttatagatea	CCCCCtaaaa	gaaattccat	ggaaaggtaa	taaactcttt	ttacatcatt	359100
tacaacaact	atanantat	ctctcageca	ccccttggcc	aaccattcca	taacagtttt	359160
atacagacga	totaaaatoo	ccctaggaga	tgcggactct	ggtgattgta	caacacttaa	359220
actorgacga	tetteesess	tacasasas	agagtcaaca	ctgactttgt	tcttatcaaa	359280
aaatttgaaa	88333333	Tycaaccatt	tcaaatacca	tctagaaccc	tccatatgcg	359340
Cttaatagtt	ctgaactaga	aacttegeet	rggtaaataa	aagagagcct	attaagagag	359400
attaaaataa	tatctatasa	gadayactat	aaataaaatt	agttgataaa	ttttaataaa	359460
ttaattttt	actraggaga	accattacty	tagacaatta	tatagacaga	ttaaaattat	359520
accacaacca	tcagtatoto	acaacacggc	cacagtagea	caaacacctc	agactacaca	359580
gcctatttta	attactctac	atataggcaac	tasttastta	tgttcctggg accaccctag	tattttttaa	359640
tgccagtgga	gtcaccctar	ccttaggaat	caaccatte-	tcttgctata	gactggttat	359700
tgctggtatt	gctcttatcc	ttactricas	tratatter	caatttaaac	cagatagtac	359760
agcggagttg	aactcaatga	aaatgatato	tacaccanat	gctgcaactg	aagctagaac	359820
aaaattagag	gatcgttact	cctctaaata	atcatctctt	cgctagggaa	LCCagaagca	359880
ctcttatgca	aggaatttaa	attctnnaga	aatatottoa	atagccatgt	addreceage	359940
getatttet	tctattttt	gttcaatcaa	tcgtatggat	gagattaccg	tccastes	360000
tcttgaaaag	acategeeta	ttctcacqta	tgatagtgaa	agcttctgac	regaatgatc	360060
catggctacc	tgacgtggca	atacatattc	tegggaetga	gaacgtccta	222t2ctc	360120
ctgagagacc	ccataatatt	gagcaacatt	accaataatc	tttaaannan	++=======	360180

					•	
gcttcctgct	gcttctaaaa	catcttttaa	aagagttttc	acatcatctt	catatagtaa	360300
ttggtgagag	agttttttat	acattaccct	ctttgctaaa	agattcagtg	catgcagtaa	360360
ggtctttacg	ttggaagata	gcgcataaat	taaaaaatct	aaggccgttt	cttgaatgcg	360420
aatagataag	cgctctacct	gtctcattaa	gaaactgcgc	aatccttcct	gaaccaaagg	360480
atgtatcgga	attgcaactc	cccattcaaa	cctgctgatc	aatctatctt	caacagcaac	360540
-gagatccaca	ggcgcatagg	atgaagacac	tacaatcaac	ttcccttcag	aatgaagaga	360600
attaaacgta	tggaagaact	cttcttgagt	tgccgacttt	cctgaaaaaa	cctcgatatc	360660
ctcaatgaat	agagcatcaa	tattgcggta	aaaagaacgg	aatttttgca	tttctcctga	360720
acggatagca	gagactaagt	gctctgtaaa	caaatccgaa	gaaacataga	gaatcttacc	360780
tccagattca	cgaagaacac	tgatagctga	ctgcattaag	tgagtttttc	cagatecete	360840
aggtccaaac	agataaattg	gattaaaagt	aactcctccg	ttttcatcag	gactcttagt	360900
aaattcctgt	aaaacacgaa	aaggaagatc	attttcaggg	gtaactaaaa	aattagagaa	360960
ggtcatctca	ggattcacac	ttccataatg	catggtaaag	tatgctgtct	tctcttgctg	361020
catctgcttc	tccttataaa	aaggagctgc	tttatctacc	gaagtaacgt	gaacacgaat	361080
gggcttattg	ttattattta	caagaccaga	tttaacctta	tgtcttatat	gctcctcaaa	361140
ccaagtaatt	tgaaaagaat	cttgagcttc	aagatacaaa	ttacaagcat	caaaacataa	361200
gacctttaaa	gatcgcaacc	acttgtctac	agtatttgtg	ccaatttctt	tctcttgtag	361260
caaaagaaat	tcttcccatg	ctcgcataaa	ctatgagctc	atataaatcg	cttgtttcaa	361320
taagcctgta	ttaagacaat	tcgacttttt	tttcagtatt	atcgatgttt	tttattattt	361380
aaaaccactt	catttttaag	atgtttgcta	tctaatatct	tattagtgat	ccactgctgg	361440
acgactccta	aaatcataga	cgaaagccaa	tagatgttta	atcctgaagg	gaagttatag	361500
aacatagcgg	taaataaaat	cgccatcatg	ttccccataa	cttgttgctg	tttctgctga	361560
tccgtaacag	gtcctttctt	atgcaaactc	gtgaccttct	gttgtaagaa	catcactata	361620
cctaatagaa	taggaagtaa	gtggaactca	tttccaataa	accatatcga	tgtctgccaa	361680
gaaaacaaca	catcaggagc	tgttaagtta	tcaatccacc	caggaataaa	cgaggctcct	361740
cgtaataaga	atgatgactt	taataaatca	aacatcgcaa	ttaggaaagg	aagctgtatc	361800
aataaaggta	aacaacccgt	gataggattc	actttgtttg	tcttatacaa	gcccatgatt	361860
tccatctgag	cacgcttagg	ttcgttctta	tacttttgct	gaatttgctg	aatataagga	361920
	gcatacgcct					361980
	atacagtaag					362040
aagaacttca	taataataaa	taggagtgct	gcaaaaggag	ctgtaataaa	tgcaaaaaca	362100
ccacggaaag	aaatgctatc	aagatactca	ggattttctc	ccttctcctg	agtaattqtc	362160
ttatctaata	ctttaagtgt	aggctctgcc	aagggacctg	catacactaa	aaatcgatgt	362220
gtccctgcat	cttttggcaa	aggaagcaag	gtctcatatc	caggatattt	tgatactgga	362280
tacagttgat	ttttaggaga	aatagcagac	aatcttgtcg	gagccgtaga	accegaaatg	362340
tagagagatc	catagccaga	agcaatttca	gacaacggag	ttaaaataat	accgaaatat	362400
ccattcgaat	ttaaaatcca	ttgaggataa	acaccacgac	gtacagctaa	aggctctttt	362460
	gcttaacttt					362520
	ctgaagcatt					362580
	tttctttcgt					362640
ggattctctg	gaagtttgta	taccttctga	accgatctat	ctaagctttc	caattgaatg	362700
gaatgggggg	tataggaaag	aactcggtat	cttaaagcca	caggagtcgc	tagctctctt	362760
cctgaaacca	catttaatgc	gtgatactct	agaggaagta	atttcttaga	atcacttaat	362820
aatcccctgc	gcaataaagg	gtagtaacct	ccaatcgagt	ttttggcttg	ttggccatca	362880
ggaagttttg	aagacagccc	agggaaaaga	gcttcaggag	atttctctga	agctaaatcc	362940
ctatcaaaac	caatttcatt	cacaatgctt	ttattatttg	ttgaagcaaa	aggtaaattg	363000
ataccttcta	tagaaccact	ctcttcagaa	acaataatct	gcatgtaatc	attaaataaa	363060
acatagtggt	tcgcagtatc	tgacgacttt	gccgaatctt	ggtcattacc	aaaaattaca	363120
gctcgtgtaa	taggaagatc	caaagaaact	aacttttctt	ctcgagaatc	atagagacct	363180
aaaggaatat	agtcgcttcc	tgatctccaa	aagacaagcg	ctgtaccaaa	gatcgtgcta	363240
tctttattgg	aaattcttcc	ttgtgcgtac	tcacctagaa	atactaaagg	ctctttattg	363300
ttacgaaact	caacaactag	tacaggtaaa	ccttcatgat	tcgtaggaag	aaaaactttt	363360
cccgtattcg	taggattgaa	agaggaaccc	tgctgacgat	ataaagccaa	gtgaatatta	363420
tcgaaaccac	acttgtgatc	tacaaagctc	caagattccc	cagaagaata	aacagactga	363480
gcagcttctc	cattatgtaa	taaaaataac	ttgtctccaa	cacgaactgc	gtagttattc	363540
ttatgttctt	ctccgtttac	atcggtgtcc	catgaagcta	cacttaaccc	tacagattct	363600
actgcagcta	gcgtctgttc	tgaaatcttt	ctttgtttct	ctgctagatt	tttgcaggaa	363660
cgaaattcat	tataaccaaa	aaatatttga	catcctacaa	aagcaatccc	aattaaagaa	363720
acaaaaagca	aagtgcgttt	attcatttga	taaactctaa	aaattaaact	taagaggtca	363780
aaatatcata	aacccacatt	atctcccaaa	ggagaatctc	tcaatacagg	tetettattg	363840
tgatagactg	taaaattcta	aagtctcatg	ccaaaaagat	gctgctatat	gtgtgaacgg	363900
tgccttcgag	ctttcaatga	gcaaatgata	agtaaggcca	caccaaatag	aaataaaggt	363960
atagataaaa	tttgaccaat	tgtaagtaga	caatcctctg	ctaaaacttt	cccttgatgg	364020
ctttttacat	actccgcaaa	aaaacgaatg	aaagcgacag	aaatacaggc	tatagaagtc	364080

,						1030/01030
acatatccct	tacctaaatg	caaataacgc	ttataggaaa	gaaaatataa	aattccagag	364140
acgaccaagt	aactgattcc	Ctcataaagc	tqcacaqqat	gcacaggaac	tecetagaea	364200
ccttgcatag	gatcagaaaa	aaccaccccc	caaggcaaag	aagtcggtgt	tectacaatt	364260
tettgattee	aaaaattacc	caaacgaata	aaaaacgctg	caattccgaa	aactgatcca	364320
Cacaagtetg	caaggaagag	aaaagtcaat	tttgaaatct	tttttttata	tatocaagaa	364380
aaaatggccg	cccacaaaag	aaagccaaag	aacgcctcca	tgactcgaca	agcctccgtg	364440
ccatatttga	atgatctctt	caggatgttg	taagtaaaaa	ctccatccat	aaaaaatcac	364500
ataggcaagt	ctagctccag	ggacaataaa	taaaatagag	tatataaaaa	agttttctaa	364560
agccacgcgt	agctggcttt	tggaaaaact	taaatgatct	ttcaaaccat	aataggaaag	364620
agccaaatac	cttgctgaga	gacatgctag	aaaaatccct	acagtaaaaa	agacgccata	364680
ccaagtaagt	cttagagacc	atggctcgaa	agaccagaca	atttttgagc	gatcccaata	364740
gatcacagcc	atctcagctc	gcatatctta	ataccagtta	gcaaaaaatt	catactccaa	364800
gtaaaataga	gtatttagaa	attaagtgta	atgcactatg	gcaagaaaca	tcaaatattt	364860
cccgatacta	tttcctggta	ttttgtggat	atcagcagga	atgaaactct	tgctaaaagc	364920
taccgcaata	gccctagacc	ccctttcttc	ttttttacc	tactgtcttc	tatctatggt	364980
ttettgggga	ttagcatccc	taaaacatcg	ctacttgcta	agcaaaacta	taaggaaaca	365040
getgagteta	tcttctgaat	tettttcaca	aaaaattaca	tggattgcct	atataaagca	365100
gacctttate	tctagaaggt	ttctcatcat	ggtcattatg	attgccttct	ctttagtcct	365160
tegtegttat	atcagcaatc	ctcaagcctt	attcgtgatt	cgagctacag	tgggctatgc	365220
teteattaaa	actgccatcg	cttacttctc	aaaattacag	aatgccctaa	tggaaaatcc	365280
tgaaggaaat	tagtgcgaac	tctatggaaa	tcattcatat	aggaaccgat	attattgaaa	365340
ctageegeat	tcgcgaggca	attgcaactc	acggcaatcg	actactcaat	agaatcttta	365400
cagaagcaga	acagaaatat	tgcttagaaa	agaccgatcc	catcccttca	tttgcaggtc	365460
getttgetgg	aaaagaagct	gtagcaaaag	ctttaggaac	tggcataggg	agcgttgttg	365520
cctggaaaga	catcgaagtc	tttaaagtat	ctcacggacc	cgaagttctc	ctcccttcgc	365580
atgictatge	aaaaattgga	atttctaaag	tcattctctc	tataagccac	tgcaaagagt	365640
argecaeage	aactgcaatc	gcattagcct	aagaatcttt	cagcatctag	tgctgctata	365700
caaccaccec	ctgcagaagt	aaccgcctga	cgatagtact	tatcctgaac	atctccagca	365760
teatetasee	cagggacaga	agtettggac	gttcctttct	cagtcacaat	atagcccgac	365820
aggreeacc	tcagctgtcc	tccgagaaaa	tccgtatttg	gcttatggcc	tatagcaaag	365880
aacacccccg	cagcttctct	agttgtaatt	tettgagtet	gaacattett	aatatctacg	365940
ttttcattat	tgctatctcc	agaaatttt	acaatctcgc	tattccataa	aaatgtaatt	366000
traactacat	tttgcgcccg	tantana	gctttagaag	cccgcagttt	atctctacga	366060
tecesteese	atacgtggct	cccataacga	gtcaggtaaa	gagettette	taaagcagaa	366120
acqqcacaaq	caatcacata	tttttacass	ccccaaaaa	taggagaagc	cccatcgcaa	366180
aaacatttaa	cagtcactcc	tataaatata	adiccatege	ttcctgctcc	aggaatttct	366240
tttgatttca	cagaagctcc	acasacsass	acacaygcat	cacaagaata	ggtttcttct	366300
gtcttggtcc	aaataaaagg caaaccgcac	agestactes	ttcatattat	adataatatc	ttgagctagt	366360
atcccttcag	gaaaccctgg	agazttetea	acttototta	tagtagttt	tggcccaaga	366420
gagateceag	agaaaaaccc	Ctcaaataaa	accectgeeg	ragicataag	ctggccacca	366480
attoccocto	tatatccaga	togacctgaa	CCaataataa	ttaagegetet	tgatgcataa	366540
tataatttcc	ttatctaact	ttagaaattg	agaacactgt	tettenteta	atgaatcatt	366600
gacacttaat	tctagcctat	ctaataaaca	acacttacca	totateceta	ctagaaaaaa	366660
tgcaaaaaac	ttgcttttga	atagettttg	tctactttta	atttatage	agtitettea	366720 366780
aaagtttcaa	atctcaagat	cttcatcttc	cagtaataac	acctacatet	statanttan	366840
tctttagaat	tttcttagag	ctaagaaacc	aagacccatc	ctattattta	accetcaata	366900
agtatggttc	tacttctgaa	tgcacttggt	tettgageag	Caaccaaaaa	gatotator	366960
gcttaagaac	aaagctgatg	tagcccatct	gggacgagaa	tttatggggt	gattataaaa	367020
aaaacgatat	gttttctatg	cgccaaatcc	totttctcta	Catatgagage	gcccacgaaa	367020
tgataattac	cacacgtatt	ttataaaatc	togtaatata	gaaaagttaa	aaaagaggg	367140
ttatacatct	ctagaacgga	agtataggat	tttacqatta	attcgattat	atagaagtaa	367200
tcgtctcctg	caagggaggt	cttqcctttt	ttaaggttta	tatttacact	atcttttta	367260
actttgtagt	ttttaggaga	ataacaataa	atgccaaaac	aagctgaara	tacttooooa	367320
tctaaaaaaa	ttctggacaa	tatagaatgc	ctcacagaag	acqttqccqa	atttaaagat	367380
ttgctttata	cggcacacag	aattacttcg	agcgaagaag	aatctgataa	cgaaatacag	367440
cctggcgcca	tcctaaaagg	taccgtagtt	gatattaata	aagactttgt	cataattaat	367500
gttggtctga	agtctgaggg	agtgatccct	atgtcagagt	tcatagactc	ttcagaaggt	367560
ttagtgcttg	gagctgaagt	agaagtctat	ctcgaccaag	ccgaagacga	agagggaaa	367620
gttgtccttt	ctagagaaaa	agccacacga	caacgtcaat	gggaatacat	cttagctcat	367680
tgtgaagaag	gttctattgt	taaaggtcaa	attacacgta	aagtcaaagg	cooccttatt	367740
gtagatattg	gaatggaagc	cttcctacct	ggatcacaaa	ttgacaacaa	gaaaatcaaa	367800
aatttagatg	attatgtcgg	aaaagtttgt	gaattcaaaa	ttttaaaaat	taacgttgaa	367860
cgtcgcaata	ttgttgtctc	aagaagaqaa	ctcttagaag	ctgagagaat	ctctaagaaa	367920

-						
				aaggagttgt		367980
				gtcttctcca		368040
				aattgaatca		368100
				ctctaggtct		368160
				ctggaaaacg		368220
				ttgaagaggg		368280
ctaattcaca	tttctgaaat	gtcttgggtg	aaaaatattg	tagatcctag	tgaagtcgta	368340
aataaaggcg	atgaagttga	agccattgtt	ctatctattc	agaaggacga	aggaaaaatt	368400
tctctaggat	taaagcaaac	agaacgtaat	ccttgggaca	atatcgaaga	aaaatatcct	368460
ataggtctcc	atgtcaatgc	tgaaatcaag	aacttaacca	attacggtgc	tttcgttgaa	368520
ttagaaccag	gaattgaggg	tctgattcat	atttctgaca	tgagttggat	taaaaaagtc	368580
tctcaccctt	cagaactatt	caaaaaagga	aattctgtag	aggctgttat	tttatcagta	368640
gacaaagaaa	gtaaaaaaat	tactttagga	gttaagcaat	taagttctaa	tccttggaat	368700
gaaattgaag	ctatgttccc	tgctggcaca	gtaatttcag	gagttgtgac	taaaatcact	368760
gcatttggag	cctttgttga	gctacaaaac	gggattgaag	gattgattca	cgtttcagaa	368820
ctttctgaca	agccctttgc	aaaaattgaa	gatattatct	ccattggaga	aaatgtttcc	368880
gcaaaagtaa	ttaagctaga	tccagatcat	aaaaaagttt	ctctttctgt	aaaagaatac	368940
				tagatttcaa		369000
				tgctggtaat		369060
			-	tttactgatt		369120
_				gactacatgg		369180
				gctttaaaaa		369240
				aattctcgta		369300
				aatcctagca		369360
				ggtcagtaca		369420
				gcacgacaaa		369480
				tatcgccatc		369540
		•		aatttaatta		369600
				acagaaaaac		369660
				gaaaatggtg		369720
				tttatttcaa		369780
				tgaagctggg		369840
				ttggagcttt		369900
				gatgagaaaa		369960
				ctttatccaa		370020
				gtcgttaatg		370020
						370140
				attagccaca		370200
				ctagaaattc		370260
				gaaatggaag		370320
	_		-	attagaagag		370380
				gagettgett		
				aaacctgaaa		370440
	_	-		aaaacaaaaa		370500
				tgcgaaagaa		370560
				ggaacaagct		370620
				ctcatcatcc		370680
-		-		agtctccata		370740
				tectgaggtt		370800
				acctcaagaa		370860
				aatgattaaa		370920
				attcaaggct		370980
					aaaacaggga	371040
					aatcctgcta	371100
				gaaaaatctt		371160
					gatcgttacg	371220
					aagcctaaaa	371280
_			-		ttgccaatta	371340
					caaaagttat	371400
	-				gcagtacaat	371460
					gataagttgt	371520
_	-				aagcttgtga	371580
-	-				acactcattg	371640
_		_			caacacatgg	371700
~~~~~+~	. ~~~~	CCSGtGGGG	, =cataacaat	י דרדאמאדארו	CCTAATCACA	371760

						/1B98/01890
aagetttet	c tgcaatgcga	gcccgtggag	ctgaagttto	r tgatattgtt	gtgcttgtag	371820
	- cyaayyaatt	. aaaynacaaa	CEEEagaggg	· rattgaagat		371880
3		yctattaata	agraraataa	, <i>acctasttt</i>	2244	371940
	s acaaceeeee	. yaaaccaacc	tattoccada	agettadaa	agatagaata	372000
	- caccecege	aaaacayyag	aaggrettte	· adaacttt:	. ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	372060
	- Lydaytttg	gagctaaaag	Cogatactta	· adcacdtdct		372120
	- agaactgtat	aayyytctcg	gacctattac	· <i>aactatttt</i>		372180
Jaageetaal	accygycyaa	goldtott	- ECaatdatto	ttataacaaa	~+~~~~~	372240
-30	. acacaacyaa	Liyaiyaaag	aagetggge	atchattcct	atattastas	372300
	, agacacacaca	aaayuuggcg	arcetteet	catcatass	3300000000	372360
- gg-cagaga	Lactatigaa	gctagatccg	Caggacaaca	CCGttttcct	****	372420
-33-33-0	, caaccccyat	Localdicac	agaaraaaa	- cactettaac	· ~++~+	372480
	. ccaaggreec	acayaaqctt	Eggtcagttc		3++0-0+	372540
gtttactgc	tgttgaaatt	Cagttotoat	grgraggaga	aatttcagaa	tcagacattc	372600
ggaaccttta	gcctctaaag	taggagtes	cggtttccat	acaggaatag	aaagtcatgc	372660
tattgatgca	attaagagct attaaagaaa	ttatgacttc	agitgaacta	tttaccgtca	tctatcatgc	372720
tgaaggttct	gctgagatta	aagaaatctt	tagatettas	cctattgctg	aagaaaaaga	372780
ttgcatagtt	actgaaggaa	ttatgactcg	Caatcataaa	caagtaggat	ctatttacgg	372840
agagatcctt	tggaaaggta	cattaterre	attassage	greegagrat	tacgtaataa	372900
agttcgcaaa	ggtttagagt	gtggaatttt	attagaagga	taccaccac	atgtcaaaga	372960
tgatgtccta	caatgttatg	aagttatcta	tcatccacaa	aaactataac	tranatage	373020
gtatgacaga	aaatagacgt	attaaacggg	taaatocttr	attacaacaa	CCattages	373080
aggiaacitt	adadyatgtt	aagcatccca	agatttctaa	tetttaate	200012224	373140
gegetetete	acclaaggat	ttgcactctg	cacqtqttta	tatatetata	atocctoato	373200 373260
" Jua caccaa	ggaagaggct	LLagaagett	taaaagtctc	tactaatttt	atcoctcata	373320
gagoccegaa	adatyttytt	Citadatatt	tcccagaact	tcattttat	CECCAECAEA	373380
ccccccacc	ccaagattat	atagaaaacc	tgctttggca	gattcaagag	22222222	373440
gecaacaaac	Lacattttt	gggaacttga	atactattaa	agacatgact	atgratette	373500
oug cagaact	aaaagagggc	attettete	tagacaagcc	tcaagggaga	acttcattta	373560
geecaceeg	egetetaace	aagttaatag	gcqttaaaaa	gattggtcar	GC2GG22ctt	373620
ctgatattt	cgctactggc	gttatggtca	tgttgattgg	ccgtaaattt	actagacttt	373680
ccgattctta	actttttgaa	gacaaggaat	acgaagcaat	tgcccattta	gggacaacta	373740
aagaagtatt	tgattgcgac	ggcaaagttg	taggaagatc	taagaagatt	cctagtctcg	373800
tttccgctaa	.atcagctgcc	gagcacttcc	tatataanta	ccagcaactt	cctcccatgt	373860
tagaacgtca	aaaagtccaa ccattctaca	gttcaagttc	acttocacat	tgctagaaaa	ggtttatcta	373920
tattgcattt	tgtagtctct	tgtagcaaag	dacttatat	tacgaaatat	gagtaccett	373980
ttggcacgat	gttaggctgt	ggagcttatc	ttgagcagct	acccccttta	geteatgage	374040
gtttttctat	agatgaatgt	attgatggga	atctattaga	ccacccccat	ttccatatt	374100 374160
CLCCCLACCE	acgagatgcc	catggaaata	gcctatagtr	taacgtette	attttatat	374220
gattetgtaa	Cigtaggttt	tttcgacgga	totcatctao	ggcatagcaa	tetttatet	374280
accettacet	cctattctgg	atccagtgga	gttattacct	ttgattctca	tectessage	374340
gcaceceee	taaatcacac	gaaactcatc	aatacaaaag	aagaggggct	ccaattatta	374400
caaacytttc	ccatagactg	gttaggtgtc	Cttacttttc	atttaaattt	tacastass	374460
ccyycagaag	aatttcttac	tttgttacat	cgtaacttga	aatgcaaacg	cctcatctta	374520
ggctatgatt	cutgeatagg	gaaagaacag	Caaagcaata	CCGagggtet	cast sets.	374580
ggcaageegt	taggtataga	ggtcatcaag	attectecte	accoratora	taacataatt	374640
geeccagea	aagcaacecg	ccagtttctq	tccacaaaaa	atcttgaatg	tactcatcat	374700
tetetaggee	atccctatgc	catttetgga	aaaataaccg	agggctccgg	aataggaggt	374760
tatactrata	tcgccactat	tastament	agagaagaaa	gtttaattcc	cctaggagtt	374820
qcccctactt	aaatacgtta	Ctctttatat	acctgtcagg	gtgttatgaa	tttaggaact	374880
aatctatacg	ttggaagaga gcaaagaagt	gagcattata	gcagaggcgc	atatetttte	ctttgcggaa	374940
tttcaatcaa	aagaaactct	aatacqaqca	attonanana	ttettagaga	agaaaaaaag	375000
tggtttgcaa	agggttcctt	taattatgaa	ggaacagcat	acattttgga	tectaca	375060
cacaaccacg	Coctetata	tgtaatttcc	ctaattetes	adcadeteca	cascattana	375120
accettactat	acciccadaa	graatcactt	Cagcacgaat	aaagcccttt	traatatoor	375180
catggattt	Lecageaget	LCCCaagcag	aagaccctcc	aaccactoto	Catocacaa	375240 375300
accettgagg	acctgtagta	aaataagaaa	tcagtcctaa	agtgtgatac	ac,3ac,3a	375360
ccaacccacg	aagtcctgat	ttttcaagac	ctaacctcat	aagaaattet	2200005-55	375420
caacayycaa	ggaaacgatt	tcttcttcta	tacqaacaca	cataccaacc	3C+++3	375480
receivinge	agcaacttcc	cgaacagcgg	caacataatc	attatocata	tetaataaaa	375540
ARCLELEGEC	aacattacct	ATATAAAACA	+=~~+	datesses.	~~~	375600

						1070/01070
ttaatgccac	aatttgttct	ggagttaatt	ctaaagtacg	tageggeage	CCTTTTCTAA	375660
gegageaaca	accycatcaa	atagaggcaa	gagageteet	actteacact	ttcctttaac	375720
tagettette	aattigctat	ggatatttt	tactaaaaaa	aagtcagaaa	aaatractc	375780
caagetgata	acticaatat	ccccaacagg	gttgactttt	cctgaaacgt	atataacata	375840
rggattatta	aaacaacgca	ctacatgage	aataqcatqa	gtttctcgaa	tatcacacac	375900
acaccgattt	cccagacccg	cgccatcgga	agctccctta	actaaaccto	Caatatotac	375960
aaatttcata	tccgcataga	tgatcttctg	actattqcta	attttagcta	aggettecag	376020
receleating	acaacaggaa	caatacccac	attaggatcg	atagtacaaa	acomatactt	376080
acaggaggca	acttgagctc	ctgttaaagc	attgaataag	ccagactttc	Ctacattaca	376140
aagccctaca	attccacatt	cagtatgact	cataagacat	Ctaaaaataa	asatsatasa	
atgcttttc	gaatattaga	aagacaactc	ttctgtttca	aaaaaacaca	atacctacta	376200
aaatagtacc	ttcaaaatca	agagtgcttt	gaaaatgata	aaaaaccact	atagttagaa	376260
gaagttttcc	ctacctaata	cttcttcat	atagaaccat	Cttgaagtga	acaaccyatt	376320
tgctaaattc	aacaactttt	cgttattgtt	ctttttttct	actattette	tttatatat	376380
agattcattt	ataatcttac	taagaacaaa	acatttagge	ttonatatta	CCCatcccca	376440
gagcataagg	taatttgcag	ataattccga	atatactect	cttactettg	agaaaaacaa	376500
agcatgggtg	aaaaaacaga	aaaggccacg	ccasaccasc	ttoggaa	ccttggcaac	376560
ggtcaagtag	caaaatctca	ggattttcct	tetacaetta	ccayayatgc	ccggaaaaaa	376620
acqqctttct	ccctatcgac	Ctttttttc	aaggattta	CCLCLatege	ctctatgttt	376680
ctctcacaaq	ctcccactca	ctttttttc	aaycatttag	gragatttet	ggtttccatg	376740
cttatoctra	ttttaacacc	ccatgatcct	gtaattacct	tattttatct	taagaactgt	376800
attotagorr	ttcttatcgt	atcacttccc	ttactgggag	ctgttgctgt	tgttggcgtc	376860
aagaagttca	accetatege	tggtcctaca	ttttctaccg	aagttttaa	accagatatc	376920
Claatcaaat	coatttt	gaacatcaaa	caaaagttta	aaataaagac	tctcatagag	376980
accapactor	Ctttaattat	aatttttgga	gcagccttaa	ttttatacat	aacgttaaaa	377040
treaserss	tttttt	agaaactgca	ggagtctctc	ctataattac	tgctcaaatc	377100
attettesee	ttatatata	agcagtaacc	tcgataggaa	ttttctttt	gattgttgcg	377160
gaggttaag	regeretatea	gcgccacaat	ttcgctaaag	aattaaagat	ggagaagttt	377220
gaggicaagc	aggagtttaa	agacacggaa	ggaaatcctg	agattaaagg	ccgtcgtcga	377280
caaaccyctc	adyadattgc	ctatgaagac	tcgtcatcac	aggtgaaaca	tgcaagcacc	377340
gragicicia	accccaaaga	tattgctgtt	gctattggct	acatgcctga	aaaatataaa	377400
gcaccitgga	cattgccat	gggcatcaac	ttacgagcta	aaaggatact	tgatgaagct	377460
gaaaagtacg	gaatteecat	tatgcgaaac	gtacctttag	cacatcagct	tttggatgaa	377520
gggaaggaat	taaaatttat	tccagaatct	acttacgaag	ctattggaga	aattctactc	377580
ttatattatt	cactgaatgc	gcaaaatcct	aataataaaa	atactaacca	acctgatcat	377640
ccacaatgaa	Laagctactc	aatttcgtca	gcagaacact	tggtggcgat	accgccttaa	377700
tantantan	taagtccagc	gacttaatcc	ttgctctttg	gatgatgggc	gttgtcttaa	377760
tgateattat	tcctttgcct	ccgcctatcg	ttgacttgat	gatcaccatc	aacttatcga	377820
tecetgeate	cttattgatg	gtggctcttt	atattccaag	tgctttgcag	ctgtctgttt	377880
rreceteger	gctcctcatc	actacgatgt	tccgcttggg	aataatattt	cctcttctca	377940
acagattete	cttaaagcgt	atgcgggtca	tgtcattcag	gcttcggaga	cttcataatt	378000
ggagggaact	atgtggtcgg	gttcattatc	ttcctcatta	ttacaatcat	tcagtttatc	378060
gtagtaacta	agggtgccga	gcgtgttgcc	gaagttgctg	cccgattccg	attggatgcg	378120
atgccaggta	aacagatggc	gattgatgcg	gacttacgag	ctggtatgat	tgatgccaca	378180
caagctcgtg	ataaaagggc	tcaaatccaa	aaggaaagtg	aactctacgg	agccatggac	378240
ggtgccatga	agttcatcaa	aggagacgtt	atcgctggta	tcqttatctc	tttgattaac	378300
attgttggcg	gtttgacgat	tggggtggct	atgcacggca	tggacctcgc	tcaagcaget	378360
caegtetaca	ctcttctctc	cattggagat	ggtttagtct	ctcaaattcc	ttctctttta	378420
attgcgttga	cagcgggtat	tgtcacgact	cgtgtatcga	gtgacaaaaa	tacqaacttq	378480
ggtaaagaga	tttctactca	gctcgttaaa	gaaccacqaq	cactactcct	tacaggtact	378540
gcaactttag	gggttggttt	cttcaagggc	ttccctctat	ggtccttctc	cattttagga	378600
ttaattttcg	ttgccttagg	gattctccta	ctgactaaga	aatcagcggc	aggaaaaaaa	378660
ggrggtggct	caggagcttc	aacaaccgta	ggggctgctg	gtgatggcgc	toctactort	378720
ggggataatc	ccgatgacta	ttctctaact	cttcccgtaa	ttctagaact	toggagaggat	378780
ctctctaagc	ttatccaaca	caagacaaaa	tcaggacaaa	gctttgttga	tgatatgatt	378840
cctaaaatgc	ggcaagctct	ctatcaggat	atcggaatcc	gataccetog	cattcatorr	378900
cgcacagatt	ccccttcttt	agaaggatac	gattatatga	ttctqcttaa	tgaagtcccr	378960
tatgtgcgag	gaaaaattcc	tccgcaccat	gtgttaacca	atgaggtgga	ggacaatctc	379020
agccgttata	atctaccttt	cattacctat	aagaatgctg	cgagtettee	ttcagcttgg	379080
gttagtgaag	atgcaaaagc	tattctagag	aaggcagcaa	ttaaatatto	gacgccgctc	379140
gaagtgatca	ttctccatct	ttcgtacttt	ttccataaaa	gctctcaaga	gtitttggga	379200
attcaagagg	tacgttctat	gatcgaattt	atggaacgtt	cattcccgga	cttagtgaag	379260
gaagtcacaa	ggcttattcc	attgcaaaag	cttacggaaa	tctttaagag	attoottcaa	379320
gagcaaatct	caattaaaga	cctacgtaca	atcttagaat	ctctgagcga	ataggegeaa	379380
			****	~++-++	~~~~~~	373300

						1/1030/01030
agcttcaagt	tctctcaagg	acaatcagca	atttctgttt	atctcttaga	tccagaaatt	379500
gaayayatga	ttcgtggagc	aattaaacag	acatcggcag	gttcttacct	tgctctagat	379560
cctgattetg	tgaacctaat	tttaaaatct	atgaggaata	cgatcacgcc	aacacctgca	379620
atagaaacag	caccagtatt	attgacagca	attgatgtaa	gaagatatgt	acgaaaatta	379680
cocatocag	aattccctga	cattgetgtg	atttcttatc	aagaaatcct	accagaaatc	379740
acatatage	ctttaggaag	aattcagatt	ttctaattga	tacgttgtcg	ctcataggag	379800
acctatage	gcatcaggag	gcacaggtgg	tttaggaggc	actcagggtg	tcaaccttgc	379860
ttctcacata	gctgcagctg	caaaagcaga	tgcagcagaa	gttgtagcca	gccaagaagg	379920
caccaaaaaa	aacatgattc	aacaatctca	ggacctgaca	aatcccgcag	cagcaacacg	379980
aaagggtgag	aaggaagaga	agtiticaaac	tctagaatct	Cggaaaaaag	gagaagctgg	380040
gtatgettet	aaaaaatctg	aatctacaga	agagaagcct	gacacagatc	ttgctgataa	380100
aggagacgat	gggaattctg	addictictgg	tcaagaactt	cgcggcctgc	gtgatgcaat	380160
agetetgeaa	gcttctccag	tagacatte	cgctcttgta	Caagagaaaa	ttaaagaccc	380220
attaaaagaa	tccacagett	aaggactacct	ggttcaaacg	actccaccct	cccaaggtaa	380280
tattggtgcg	gcgcttatcc	tatttqqqt	tactcatacg	gagcaattcg	gacgaactgc	380340
tccttcaggn	aaaaacatct	atacttagaa	ctaagaatat	gcagaccaac	tgaatgtttc	380400
ctactttcta	ttcgctcttt	cccctatace	gryacrygag	acacacatac	ctgtgatcag	380460
ctaatgaaag	tgcttcaaga	agaattaaa	accaagata	tggctattgt	cagctccttt	380520
ctacaagttc	gaatggcaac tcatgacaga	aactcotaac	aggragggre	cctacgtacc	cagtgcgcaa	380580
tttgaaagtc	tcatgacaga	tttactcgat	agettageag	ttcttacctc	gtacgattac	380640
tctgatctaa	gcgttcctat actttgtgaa	gatagetgag	toctagana	ctgagggaat	ccaaactcct	380700
ccaacagcat	ctaaagtaga	acqagaagtc	CCCCaccaca	aaatcattaa	cgataagttc	380760
gtgaccggtg	tcttgaactt	attetttet	actttacata	Laggagacga	tgttgattct	380820
tcttcagcag	acaaacgtca	gcaattagga	actataatta	adacytegte	acgccttttc	380880
aatataaaca	atgaagatta	tcccaaagca	tragacttco	Ctaatgett	agatgctgta	380940
tgattaaaaa	aggattgcca	tgcaaaacca	atacgagcaa	ttactacast	cccttggtca	381000
cctattaaat	acgacacttg	ctccagataa	aaataactct	totttaatoo	atttagaaa	381060
tacccatgtc	cctgtgcaaa	tagaagaaga	tggaaattcc	ggagatettg	Cagtatora	381120
actactaggt	actcttcctg	aaaacgtatt	tegegagegt	attttcaaag	ctactatata	381180
tgtaaatggc	tcgttccaat	ccagcatcaa	gggaattcta	ggctacggtg	aggicactica	381240 381300
acagctctat	ctttcagata	tcctgagtat	gaactaccta	aatggagaaa	agttattcga	381360
gtateteaag	ctcttttctt	tgcatgctaa	gatttggatg	gaatccctaa	gaacagggaa	381420
tcttcctgac	cttcatgttt	tgggaatcta	ctacgtcgcg	tgaatgtttt	aaaatacaca	381480
aaacactcac	cctcagcaca	tgcttggaaa	cttataggaa	cctctcctaa	acacgggatt	381540
tatctcccac	tattttcaat	acacacaaa	aatagctgtg	gaatcggtga	atttttagar	381600
CLCattcctc	tgatctcttg	gtgccaaaaa	cagggcttca	gcgttattca	gcttctccct	381660
ccaaacgaca	ctggtgaaga	tacgagtccc	tataacagca	tctcttccat	agccctgaat	381720
cccctattcc	tttccctatc	ctctcttcca	aatatcgata	ccatccctga	agttgccaag	381780
aaacttcaag	atatgcatga	gttatgctcg	actccatcag	tcagctatac	tcaagttaaa	381840
gaaaaaaaat	gggcattctt	aagagagtac	taccaaaaat	gttgcaagtc	ttccctcgaa	381900
ggaaactcaa	atttttctga	gtttctagaa	agcgagcgct	attogettta	tecetarggg	381960
acctttcgtg	caatcaaaca	tcatatgcac	ggagaaccta	ttaataactg	gccgaagtcg	382020
ctcacagatc	aggagaattt	tccggactta	actaaaaaat	tccatgatga	agtcctctt	382080
ttttcctatc	tacagtttct	ctgttaccaa	cagetetgeg	aagtgaaagc	ctatgcagat	382140
caacaccacg	tcctgcttaa	aggagacctc	cctattctta	ttagcaagga	tagetgtgat	382200
gtttggtatt	tccgagacta	cttttcttca	tcaaggtctg	taggagetee	tectgacete	382260
tacaattctg	aaggacaaaa	ctggcatctg	cctatttata	atttttcaca	acttoccasa	382320
gacgactaca	tttggtggaa	agagcgtctg	cgatatgctc	aaaacttcta	ttccgtctat	382380
cgcttagatc	atattatagg	atttttccgt	ttgtggattt	gggattcttc	aggaagagga	382440
aggittatte	cagacaatcc	taaagactat	ataaagcagg	gcacggagat	cctttctact	382500
atgeteggag	cctcttctat	gttacctatc	ggagaagatt	tagggattat	accccaagac	382560
grcaaaacga	cattaacaca	cttaggaatc	tgtggaaccc	ggattccacg	atgggaacgc	382620
aactyggaaa	gcgacagtgc	cttcattccc	ctaaaagatt	ataatccact	ttctgtgacc	382680
acteraces*	cccacgactc	rgaracgttt	gcccaatggt	ggctcaattc	acctaaggaa	382740
casatacaca	ttgctaaatt	tetacatett	ccttttcaaa	aaaccctgac	tacagaaact	382800
aaccettetc	tcttaaaact	coctosta	tcagcatcta	tctttcatat	caacctcttt	382860
aatacacctc	tegeectetg	tananameri	gtatcaaaaa	atctacaaag	agaacgcatt	382920
daactcactcy	ggacaatttc	atttaatee	rggtcgtatc	gagtteggee	ttccttagaa	382980
ggataggaat	ttcataaaaa	actetttt	tagtage	agatecttae	aggactgtaa	383040
cgaccgtctt	aaaacattta tottaaaaga	atteettest	tatcaacaac	cttataataa	tttcctggaa	383100
aaaacctctt	tcttaaaaga	todaaaaaa	chactata	agacaatcac	attttctaag	383160
ttattmamm	cccatatat	aattcatace	oraytataga	cccctttca	tagagttgct	383220

•						
ggaaagagac	ctcgccgtgg	ttatagctat	acacttcgag	gtattgctaa	aaagaaaaaa	383340
ggaattggtt	tgaaagtgac	agggaagact	aaaagaagat	ttttccctaa	tatgttgacc	383400
aagcgtctat	ggtctacaga	agaaaaccgt	tttcttaagc	ttaaaatttc	tgctagcgct	383460
cttcgtcaca	ttgataagct	cggattagag	aaagttctcg	aaagagctaa	aagtaaaaat	383520
ttttaattta	acttaagtat	agggaaatat	ttatgtcttt	cttaaggcgt	catatttctc	383580
tttttcgttc	acaaaaacaa	cttattgatg	tttttactcc	cgtaagteet	aacctccact	383640
tagetgagat	tcatcgtcgt	gttattgaag	atcaaggccc	taccettett	tttaataata	383700
tcatcggatc	gtcattccca	gtcctgacca	atctctttcc	aacaaaacat	ccccataacg	
aactttttc	tcaagctcct	geteegatea	teesteese	tacadadat	cgsgragacc	383760
caccaaaact	ttetteteta	tagaaatata	cogcocgage	Lyccoacctt	atttetteta	383820
cactaaaget	ttcttctcta	cggaaatett	gggatetatt	aaaaagaata	agctctttag	383880
ggcccaaaaa	agctcgattc	egtegettte	CLLLEGEEE	tatgtcctca	gttaacttag	383940
accacccccc	cttactcaca	agetggeetg	aagatggtgg	agcetttete	acacttcctc	384000
tigictatac	ggaatcgccg	actettacta	cacccaatct	tgggatgtat	cgcgtgcaac	384060
ggttcaatca	aaacaccatg	ggcctccatt	ttcaaatcca	gaagggcgga	gggatgcatc	384120
tgtatgaagc	agagcaaaaa	aagcaaaacc	ttcctgtttc	ggtatttttg	tctggaaacc	384180
cctttttaac	cctttctgcg	attgcccccc	tacctgagaa	tgtctcggaa	cttctctttg	384240
ctaccttcct	ccaaggagcg	aagctccttt	ataaaaaaac	aaacgaccat	ccccaccctc	384300
tactctacga	tgcggaattc	atcctggtcg	gagaatctcc	ggccgggaaa	catcatacta	384360
aaggtccttt	tggcgatcat	ttcggatact	acagteteca	acatgacttc	cctgaattcc	384420
actgtcataa	aatctatcac	agaaaagatg	caatctatcc	tgctacagta	atcaccassc	384480
cctaccaaga	agatttttat	atagggaaca	aactccaaga	atacetetee	cctttattta	
cattaattat	gcctggtgtg	cotagagaata	aaagttacgg	acacccccc	ttte-te-	384540
tgactgcggc	tatcattass	gaacgctatt	adagetacgg	totaggg	tttcatgcac	384600
ttetteeses	tgtcgttaaa	tagetage	ggagagaatc	LCLaaccaca	gctcttagaa	384660
ctcttggaga	gggccaactt	tecetaacga	aattectaat	ggtcacagac	caagaggtgc	384720
ctctcgacag	gttctccgtg	gttctagaaa	ccattttaga	gcgtctacag	ccagaccgag	384780
accttattat	tttctcagaa	actgcaaacg	atacgttaga	ctatacagga	ccaagcttaa	384840
ataagggctc	caagggaatc	ttcatgggaa	taggaaaagc	catccgagac	cttccccatg	384900
gatatcaggg	aggaaaaatc	catggagttc	aagacatcgc	tcccttttgt	cgtggttgcc	384960
tagtgttgga	aacatccctc	gaggaccgat	gtattaaatc	tctccttcac	catccagatc	385020
taaaatcatg	gcctctgatt	atccttgccg	ataatctgag	agaaaccatt	caaagtgaaa	385080
aagattttct	ctggaggacc	ttcacacgat	gtgccccagc	aaatgatctt	cacgcgctcc	385140
acagccattt	tgctactcac	cgtcctaatt	acaactttcc	cttcgttatc	gatgccctga	385200
tgaagccttc	ctatcctaaa	gaagtagagg	tcgacccatc	tacaaaacaa	aaggtttccg	385260
aacgatggca	cgcatatttc	cccaataaag	aaacttttta	tatttaataa	gaatcttatt	385320
ctattaaacg	tttaattaaa	ttagttattt	ttattttaa	aaatatataa	aaacaaaaaa	385380
gctattttaa	gagtaaaaaa	tgaataaaag	acaaaaagat	aaattaaaaa	tctgtgttat	385440
tattagcacg	ttgattttag	taggaatttt	tgcaagagct	cctcataata	acacttttaa	385500
gacttttta	aagtctgaag	aagctatcat	ctactcaaat	caatgcaatg	aggacatgcg	385560
taaaattcta	tgcgatgcta	tagaacacgc	tgatgaagag	atcttcctac	ctatttataa	385620
cctctcagaa	cccaagatcc	aacagagttt	aactccacaa	actcaaacaa	222262276	385680
tacgatctac	tatcaaaaat	ttaaaattcc	ccaaatetta	aaccaacca	acastatasa	385740
tttagtcgag	caacctccag	canggegtaa	actuatucat	Caaaaaaaacta	tttccatac	385800
taadaaadat	gcttggctag	catctcccaa	ctacaccaat	catatatata	ctttcataga	
taatctcatt	ctaccastcc	ataceteca	ccacaccaac	cttttttttt	ytttagataa	385860.
tagagagatt	ctaggaatgc	atagetegga	getetgtgat	ctcattatca	caaatacctc	385920
tggagacttt	tctataaagg	accaaacagg	aaagcacccc	gttetteete	aagatcgtaa	385980
aattgcaata	caagctgtac	tcgaaaaaat	ccagacagct	cagaaaacca	tccaagttgc	386040
tatgtttget	ctgacccact	cggagattat	tcaagcctta	catcaagcaa	aacaacgagg	386100
aatccatgta	gatattatca	ttgatagaag	tcatagcaaa	cttactttta	agcaattacg	. 386160
acaattaaat	atcaataaag	actttgtttc	tataaatacc	gcaccctgta	ctcttcacca	386220
taagtttgca	gttatagata	ataaaactct	acttgcagga	tctataaatt	ggtctaaagg	386280
aagattctcc	ttaaatgatg	aaagcttgat	catactggaa	aacctgacca	aacaacaaaa	386340
tcagaaactt	cgaatgattt	ggaaagatct	agctaagcat	tcagaacatc	ctacagtaga	386400.
cgatgaagaa	aaagaaatta	tagaaaaaag	tcttccagta	gaagagcaag	aagcagcgtg	386460
atgatctaaa	atagtcacag	aagaaggcct	agctcgtgat	tcaagtatot	ctaggcctct	386520
tcatccttt	gataaaaaag	agtggaggca	gtttctaaga	CtCCtttatt	tctagcaatt	386580
acccaagctt	ctgctgctgc	tgcaattgcc	tgagaagcgg	cagcccctaa	agagatocco	386640
tttttttct	ttgtaacttt	aatagatcgc	ttctatttar	ttttttcatc	tttttcctca	386700
tcttctttt	tcttactatc	gcaatatagt	tttttaaaar	ctaaatgcac	atgacgcaac	386760
tgagaaagca	agaccttggc	ttacttttat	ccgagtaget	tataaccata	cctctattta	386820
tteteetett	gttcgcgatc	tocastaget	adcaaddcaa	accasstage	treatters	
gcaatttcct	cagaaatttt	ttctactasa	ggagagttt	dacadassto	tttaggta	386880
	atagcgcacc					386940
cttaaaaccc	taaatatccg	tanataste	ttttccc++c	ttttcct~-	accaaaccga	387000
oteraces.	Catalactec	tetastata	actabance-	CORCERE	gggaagettt	387060
						.0 /1/3/1

						71898/01890
atcgtcatga	a actgaagcag	cttcaggctt	tccttgaaco	gatagacgto	g aagatcctga	387180
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- yaacaalluu	COOCTCAAC	- ~~~~~~		387240
	, cccggaggac	Liceaggace	TTTATGAGG	* tomometes		387300
	- vyuyytugug	yaycuadtaa	agacactcca	a cottoocoss		387360
-3-35-40-4	. acageaceac	LLCCLadadc	- CCCTCCCGta	· ^^a^+++^~+	+ • • • • • • • • • • • • • • • • • • •	387420
	. yeuucuyyya	gaaagtttt	actoctatto	* tctaasttt	+ ~~ ~ A	387420
3 0-0-0-0	. acaacggctt	- Lander Cocc	CCEGGAAACC	T atactatet	And and the second second	387540
	, cccggacgag	ycadactttt	aacctcagca	1 CtCttcacac	taggttage	387600
	. augueegeat	gguldgtact	cttctctaff	· cctaggagatt	*	387660
	, galcicitygg	Luggeraaage	tectoaaaaa	ttaaaaaaaa		387720
-559 acco	gaccaaacag	aditactcaa	Lacctottda	Tacactacaa	a+	387720
	gedegegeaa	guardateta	arcorcacto	· aactgctctc	~~~	387840
	· cccrrrry	CCCLLCCTAA	agtattagaa	* *********	~ +	387900
	gaaccagang	adyalacctt	Lactitice	tetaeteee	F =	387960
our care care	ceganicece	CCLGCCCTAA	atcaganaga	tctatcatcc	Cttccttcc	388020
-900900000	geeeegegea	ctaatgatga	ggtctcaaca	Etaggatega	C22C2C2C	388020
gaccaccicc	CCCCCCaaac	gagccactqt	ccaagcattt	accttctcct	0300000	388140
	cccggaaag	atccaaacga	agccacggaa	Ctarattere		388200
a o c caaac c c	ceggeacetg	addatacta	agatttcaaa	CCC+C+nnnc	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	388260
aacaccagag	gaactcccc	CCatacccca	agcatctaag	aaaaatccct	~~~	388320
- Janacacy y		ctagagcaac	atccatctct	atcaacaata	2002 + 0++	388380
- couccacta	ccgyaagcac	gettegetga	cactctcdaa	acccasasta	CCTTTTCCT	388440
caeguaecce	rycacactag	cgcgcattt	agaaaatgta	CCtttcsatt	* ~ ~ ~ * * * * * * * * * * * * * * * *	388500
agaggeegae	gaccyattt	gagetttacg	atacttagcc	ttatttatct	Magattates	388560
egeacacacc	ccigiagate	Clydacgcac	taagetttee	tacttcacaa	C27277777	388620
- caccade c	ccayaaaata	Lagaliciti	Lagoggagac	COCCCETCEC	70taababa	388680
cegeagagea	ggarrecact	ttcctggatc	cqaaqaaqqc	tgaacccctc	CCCCacctoo	388740
aaccgccaca	acgaricati	yaatttaaaa	aataaaactt	ataactactt	2 * 2 2 * * * * *	388800
~~caaaaaaaa	aactaattta	aaaaaaaqaa	Cttacaaaca	aattttaaaa	3 + 6 + 5 - 5 - 5 - 5	388860
cuadaddaa	cycaaggiga	aaacaccttg	cotaaaaaaa	Cttatgggag	G2C2G2G2G	388920
agegageaga	tycaacaaag	rgcategetg	tcgagctaga	gggatcactc	agat compat	388980
geeeaggeae	caagattttg	gagatettaa	taccgagaca	gttcctaact	Ctabattaat	389040
cacccagget	rectareact	ccatcacggg	atagtcccgt	tctgcgattt	+++++	389100
caaccccgcc	caaayacyya	tagagtactt	actaaaatgg	teettetead	taaaaacaaa	389160
cccacccca	caattyaaaa	tcaaaacttt	atcootatco	ttcttctcac	aatctaagag :	389220
aataagaaat	aactgatcgt	attettgage	acggtgttta	agagttttct	gttccttagc	389280
gatttcttt	ttcgacgatt	agganan	accegegeag	gcttcttcaa	cacttccgtt	389340
ataaaaaara	gaatctcctg	agccaaagcc	ctatccgttc	tgctcttctt	aggcttcccc	389400
taagaataaa	caaaaacaaa	tataaaatt	Laataaacta	attttaatta	aaaaacttat	389460
gtttagataa	acataaaaa	tonagatan	aaatattata	taaataattg	tttaaaagca .	389520
aaaacctttt	acataaaaaa	atcataat	aalcctatgc	tttgctatat	acaagtctgc	389580
CCGCGCaaat	gaaatcgata	aratattt.	taaycgtaaa	ccatgtctgt	ccacataaca	389640
aaagcacatc	gctttatttt	ttccccttat	attattat	cccttccaac	gctcttccct	389700
gataagggac	tgatcctttt tggtactcgc	tetaggetet	actigitiett	gtttctattg	tttctcaaaa	389760
cgcggtgtat	ttctactgct	Ctacceteta	actoctot	gtgatettge	cttaggaagc	389820
attttttcaa	aagagagcaa	agccgccttg	accycletga atcattataa	Ccacccataa	ggcacacctc	389880
ttttactcc	taaccattcc	tatotococc	ttattage	atatgattt	ctatggagtc	389940
gatgtgctaa	tgatacctct	aaaatottot	ttcttagata	atgaagteeg	ttggtcaata	390000
atctatatac	tteettgege	aataaactca	ggaatgata	accidatett	cacttctgta	390060
agattggtat	gttactgaga	gggattcctg	cadctdaaaa	addigatate	ttttttagg	390120
aggaaatctc	acaaagtcct	accteteeg	gacttactat	aatcetteag	agactcaaag	390180
ccgcatctga	ggtgtacgtt	ggcatgaaag	tCaaaaaaaa	tacacanata	ggcaatgacc	390240
ccaaagcgca	caagttaccc	tctgactcta	ccctctcctc	actochtan	ggaartatet	390300
gaccyaacca	agatectage	atccacggca	tecteataca	acttcccttc	CCC3222	390360
rggacagcya	agrgattete	caagcgatct	CCCCagacaa	agatgtggg	aaaattaa	390420
ccycyaacac	gggaaagttg	ctccttggaa	attttgatgg	acttctaccc	tacaataata	390480
caygaartat	Lgaactcctg	aactattatq	aaatteetet	tegaggeege	Catacaata	390540 390600
regeaggag	aaycaacacc	grggggaaac	CCttagcggc	CCtcatgatg	C222200000	390660
cicaaactaa	cigtacagtc	acagttcttc	atagecagte	ggaaaacctc	CCACAAAA	390720
caaagacagc	Lyacalcatt	attgctgctc	taggaggagg	actttttata		390720
rggtagecee	acatgetgtg	atcgtagatq	taggaacaac	aagagtccct	C222222	390840
cgaaayycta	Lactettett	ggagatgtag .	attttaataa	cgttgtgaca	aaatgcgcag	390900
~3FC2C+CC2	~++~~+~~~	~~~+	~~			

```
arggcgatgt taccaaaatt tttcttagtt cttttatgtc ttggactctg ttcatgctct
                                                                      391020
caaaaaacga caacaatcga aggagagcag atgacaatct tctatcgcat tgttctggga
                                                                      391080
acctetttat cegeaaaaga aaaageatet ttateecaae aaattgatag atgettteat
                                                                      391140
aagatcgact cgatttataa caactggaat ccctattctg aactctcgat aatcaaccga
                                                                      391200
gctccagcag atgtccccat aactttatct gtagaacttt ccgagtttct agatcaggta
                                                                      391260
gatacacttt acaaactttc agaaggacgt tttgacccta ctgtaggacc tttaaaaacc
                                                                      391320
ctatggette tacateteaa aagteaaace etececeta aagaegtttg ggaacaacat
                                                                      391380
tataaagaca tgggctggca acacttggag tttcagtcaa acacaaaaac tctaatcaaa
                                                                      391440
aagaatcctc atgttcaaat cgacctctgt ggtgttgtca aaggttatgc cgtagattgt
                                                                      391500
ctaaatgaaa tttgcaatac cttttgtccg aacaactatg tagagtgggg aggagagatc
                                                                      391560
aaaacgtcag ggcatcatcc ctcgggaaga ccttggcgta ttttttctga agcagcaggt
                                                                      391620
acgatcttag atatcgatga tatggcaatt gcaacaagtg gaaatcatat tcaaaaatgg
                                                                      391680
tgtgttgaag gaaaaattta cacccatatt cttgatactc gtacagggaa acccctagag
                                                                      391740
ctaageteet atectateea aagtgtttea gtagteeate egactgegea taegeegaeg
                                                                      391800
ctattgccac agtcctcatg acttttgatt ctaaaataga agcaaaacag tgggctgaag
                                                                      391860
aacaccatat cctaacctat atcaatgatg gcgcctcttc atagcagcgg caacttcacg
                                                                      391920
ttccttttct ctttctatga tcgtacgacg cttatcataa gcttttttcc cacgacaaca
                                                                      391980
acccaaacgt accttaacat agccgcgact cagaaacatt cccagaggaa tcaaagtcat
                                                                      392040
gcccttttga gcaatcttac cctctaactt acgaagttca tatctatgaa gaaggagttt
                                                                      392100
acgtttacga cgctcctcat ggttatagat atttccaaac cgatagggag caatactcgc
                                                                      392160
gtttaataac caccctcac ctttagaaac aatgacataa gcatcaccga ggtttccccc
                                                                      392220
atgategege aacgaettaa teteagteee agteaaaacg atgeetgett etaaagtete
                                                                      392280
tataacttca tagttacgca gagccttgcg attagaaaca atttctttt gtgccataag
                                                                      392340
atcctccccc ataattgggg acaaaaacca gtataacaaa aagcaatttt tccttcttaa
                                                                      392400
gacaatgatt agaatcetet tteettgatt teeagggaag attteeteaa tetaaageet
                                                                      392460
tttttattag taaaatatct agaagaccag aaaatcactt tgtagtaata tcccgatcgt
                                                                      392520
acctetaceg tetetectag agaggegtag ceetteatat aaagttagae teaggttata
                                                                      392580
ggaaaatatg aaattcgttg tatcccgaaa tgagctagga aaccttatca aaaaaattca
                                                                      392640
aagtgtcgtc cctcaaaaca cacctattcc agtactcacc catgttttga ttgaaactta
                                                                      392700
taatgatgaa ttagttttca ctgctacgga tctgacagtg agcacacgtt gcgtcaccaa
                                                                      392760
agctaaagtc tatgagaaag gcgctatttc cattccctcc aagagatttt ttcaattagt
                                                                      392820
aaaagaatta acagaggcaa atttagaaat ttcctcttca gcaggggaaa tggcacaaat
                                                                      392880
cacctcggga tetteatatt tegeetacte ageatggaaa aagaagaett ecceatgete
                                                                      392940
cctgatatac aaaatgcttt gcgtttttcc ttgcctgcag agcagctaaa aaccatgcta
                                                                    . 393000
cagagaactt cattcgctgt atctagagaa gaaagccgct atgttcttac tggagtcctg
                                                                      393060
cttgctatcg ccaatggcgt ggctaccatc gtagggactg acggaaagcg tttagcaaaa
                                                                      393120
atagatgctg aagttacttt agataaaagt ttttctgggg aatatattat tcctatcaaa
                                                                      393180
gcagtagaag aaattataaa gatgtgctcc gatgaaggtg aagctacgat cttcttggat
                                                                      393240
caagataaga ttgcggttga atgtgacaat actctcctga tcacaaaact tctttctgga
                                                                      393300
gaatttccag atttctcccc cgtcatatct acagaaagca acgtaaaact cgatctgcat
                                                                      393360
cgcgaagaac taattactct gctcaaacaa gtggctttat ttacaaatga gtcctctcac
                                                                      393420
tccgtgaagt tttctttctt acccggagag ctcactctaa cagccaactg tactaaggtg
                                                                      393480
ggtgaaggaa aggtaagcat ggctgtaaat tattctggcg aactcctaga aattgccttt
                                                                      393540
aatccctttt tctttttaga tatcctgaag catagtaagg atgaattagt cagcttaggg
                                                                      393600
atctcggatt cctataatcc tggaatcatt accgattctg cctcaggatt atttgtcatc
                                                                      393660
atgcctatga ggctacatga tgattaataa actccctaag gagaatcctt taggtcacta
                                                                      393720
ccctgccgat gtttatgaaa atctgctctc tgaagctaaa aaattttcgt aaccacagtg
                                                                      393780
atttagaaat ctcactggct cctaaactca attatgccca aggaaaaaca aacctcctag
                                                                      393840
aagcgcttta tgttttgtcc ttgggaaggt cttttcgcac gcaacatctc acagatacca
                                                                      393900
tcaccttcgg atcttcccat ttcttcttag aaacacagtt tgagaaagac caccttcccc
                                                                      393960
aagctctctc catctataca gacaagcaag gaaaaaaaat ctgctataac caacttccta
                                                                      394020
taaaaaacctt atcgcagctg atagggaaag tacctattgt gcttttctct tcaaaagacc
                                                                      394080
gccttctaat ttcaggaget cetgeggate gtegeetttt eetaaatetg ettttatete
                                                                      394140
aatgcgataa ccactatacc ctctgcttat cgtactatca tcgcgctctt cagcagagaa
                                                                      394200
atgctctctt aaaaagcaag caaacctcaa ccgtggcctc tgggatgaac agttggtcaa
                                                                      394260
acacggcacc tacctatcca tccaacggtt tctctgtagt cagaaacttt cagatttatc
                                                                      394320
caaagaactt tggtctaaca acctaaaaga acaattggcc ttaaaattta aaagttcctt
                                                                      394380
aattaaaaat totgatattt otgaaactgo tgttgoogaa gaatttoata aacagototo
                                                                      394440
tatatcactt cctagagatc tcgaatgggg aagcacttcc gttggccctc atcgcgaaga
                                                                      394500
ctttctactc actatgaacc aaatgcctgt gtctcaattc tctagtgaag ggcagaaaca
                                                                      394560
cagtettttg geaatettaa ggettgetga gtgeetatat etaaageaat eteateaegt
                                                                      394620
ctcccctcta gtctgtctag atgatatcca tgctggatta gataatgaac gtgtcggtca
                                                                      394680
acteettgae cetgececaa etetgggtea gaetetgatt aettecaece atatgeatgg
                                                                      394740
COBRETTOR BEREGROOM THATTTERS TRANSPORTE ACCESSOR TO TO BEREGROOM
                                                                      304000
```

						F/1B98/01890
tatctaaaac	aataacatca	tttttcttt	gcgttaaaag	taagcgaatt	agttatttt	394860
a caaacaag c	. cttaataaac	alattettt	ttaataaaa	acttatttaa	2252255252	204020
ceggegacae	, argaayaaat	lillattaac	tatactcttt	ttaactataa		204000
acceeggaa	accicggraa	tecaaaccct	tccatctgga	attaggggat	tassacassa	205040
aaaacaa	adayaatteg	tygictgcgt	gcatgcgttt	ttaagatett	212021011	205100
dacacacasa	gctcgcgttc	tagaaaaaga	acattacgat	gtctttattt	ggaattatga	395160
adctoaactt	tttactctag	addagcatgc	tgaacatctc	aatcgcttgc	tgaaaaaaat	395220
tattcataca	aagcctggag	tecetataaa	cttcgtaact	cattctattg	gaggagtcat	395280
taactcattc	cttgctgaaa	addatayctg	aacttaagcc	tggagtccct	ataaacttcg	395340
aagaagccaa	tattggagga	gctattgtct	tagetageact	cgctcaccct	gattgccccg	395400
ctagacgcta	aaaaggaaaa	aaattcorac	agttcgtatt	gaacgcaggg	tctacactag	395460
agcttcttac	ctactgccc	acaaagatgt	taaatotooo	Lggaggaaaa	ttaggacgac	395520
acgttctcat	tcttagtggg	aacagacata	gcasattcct	testttess	ccgtctttag	395580
aaaacgatgg	taaggtatgc	actatagaga	Caaagctaga	tactccacat	Cigectarg	395640
tgatccacac	gagtcatacc	tacatcatta	Ctaatcoga	atcactctat	adagettacg	395700
agtttttaaa	agaaggaaat	acaaccccga	taatcgagga	cattcccaa	gcagetttag	395760
aacaaactgt	tatggaagac	aaacaaaaga	actcaagact	taageettae	CCtaaccaac	395820 395880
acutetacge	catacactgc	tttggttctc	gtccttacaa	cctttacgga	tttccaaaaa	395940
aatygageet	Laaccaaaaa	aacgaaataa	atcctgaaaa	gttagaaaaa	taaagaagat	396000
gaccaacaaa	aaagtgaacg	gaaccaaaat	cctttccaca	atcttcatat	tcaaacotct	396060
ttttgtgatt	acctcccaca	aacatagaag	gatataacct	ccatccaaaa	Caddaatadd	396120
aagcaaattc	aagacagcca	aattcatact	aattagaccg	atccaaaaga	CCacttcaca	396180
aaacccctacc	gaccatcctg	tatgtaaaac	ctgcacaata	cccacaggtc	Ctgaaagcca	396240
cigiggacic	agatgtccag	taactaaagc	tttcaaggtg	atcaaacttt	CCttactaat	396300
actigataac	ataaccacag	gtgaaggatt	atacctcacc	ttaagatott	tcaaagaaat	396360
CCCLadagat	ggtttttgct	tctcagcatc	aagacgctcc	aaatagtatc	Ettattrate	396420
cityttetta	atcttcttag	ctacttccaa	Ctgtttatcc	aaactctccc	аадаатааас	396480
accaatecaa	ggacgaggct	gaacagggtc	aagaagacga	taaggacccg	cgacttctac	396540
rgggrgagac	ccccctaaac	ggttcaaaat	ttgtaacaga	tetteggaar	gataagaggg	396600
Ctcaacaata	ttatcagcat	ctcgagaatt	cacctcttca	agttcttgcg	gactcatctg	396660
aacaggagtt	atagagaccc	gatggttctg	aacaagacgt	aaaatatcta	cacttccaga	396720
tagcaaagga	ccatcaatag	Ctagaatgcg	atccccaage	tgtagcctct	cttgaggttg	396780
gattacataa	gactctggat	ataaccaaaca	aagttcacct	tctatgtatc	cataactatt	396840
cgtatctata	ggcaatgtat agctcattac	gaaggtaggg	agtataatat	ttaagtccag	cctcatactg	396900
aggttgacga	gaaaagaaga	ttttgtcarr	Contactact	ttesessas	ccaatacct	396960
attgagtatc	tgagatatct	gagccattga	gaaaagaagt	ataccataca	tagaaaaaa	397020
acgatcattc	ggacgtagct	ctgaattctc	cataggagag	ttcttcctta	gggggggg	397080 397140
gttgccatac	aaaagataac	tegetecaga	acagggaacc	Conatttta	taggataaaa	397200
ctcaacatca	atagcgaact	ctttgctagg	aactgtcaaa	tagccaggac	attrattta	397260
tagattgaga	tgcccctcta	ataaagaggt	tgttagcatg	tecttatete	CCacataagg	397320
cttaccatta	cacgtaagaa	tetegtetee	agggagcaat	cettetacet	gtaaaacagg	397380
acggacccaa	cctaccactt	tagaacagtc	gctataattt	ttacttcttc	ccccattcat	397440
gradagaacg	ctgaaagcca	agacagctaa	taaaatatto	gcaagaggac	Cagcaacaac	397500
aaccagaatg	cgtttccaag	gagacttact	aaaaaatccc	tgaggaatat	catagacaga	397560
gictatette	cccttctccc	Ctttttctt	ggtacgttcc	atacetetea	tacqaacata	397620
gcccccaaaa	ggaatgcatc	caatgcgata	ttctatgccg	cctatacact	ttttaaataa	397680
aycayyacca	aagcctatgc	taaaactctc	tacagccatt	cctacagett	ttactactac	397740
Cagacgacca	agttcatgaa	ttaacactaa	aatccctaaa	gctagggctg	ctagaataaa	397800
atayattatt	gtcatatacc	tactcgatta	tatttcttga	gcaagagctc	tagcctcacc	397860
accedence	aaaatatctt	ctaaagagtg	gcaggcataa	accttatgac	attccataag	397920
taatacttca	ttgcgtaaaa	torcacacca	agaaatctct	tcgcaaagga	acctccgcac	397980
ttgtgctaaa	ttggctgcat	Canadaaaget	ccagaagac	ccctgtttct	ctaatacctg	398040
tttcttcgaa	cggatactag aaatccatac	Catcoctace	agatggaass	ggaaaaaatt	ctaaagtttg	398100
gtattgtatt	aaatccatac gggaagagca	tatcaddodd	attratesta	cgccctggag	ctgttaaagc	398160
aaactctacc	ataccatgga	ttaadctctd	aggatgastr	yaaatcacac	tcccatctaa	398220
ttctaaacca	aacagccaat	acgcctcgat	aatttraagr	ccctt=tt	ccaatcatt	398280
tgagtccaca	gtcacttttg	aacccatatr	ccatatanna	taatte	Caticttett	398340
rgttacacaa	gaaagctctt	ctaaagactt	gttgagcaga	ggccctccag	aagctgtaag	398400 398460
aatcagtttc	ttgattccct	caatcgtcct	gccttctaaa	cattgataca	aagcattatg	398520
ctcgctatca	ataggaagaa	cttttatacc	attttccttt	gcagtcttag	222002244	398580
acceucece.		~++				220200

ctctagaatc	gcgggtagcg	cctcgattcc	tgaagaagca	gcaacgacag	tagtgactgt	398700
acceatgata	caaagttggg	ttaaaccctc	ctggcctagg	aaaaattgca	tatoooooaa	398760
tegetgaeag	geetegttat	aaacctcttc	gttatagacc	gctgcggcta	acconaccasa	398820
ctcctgnagt	cgccgaaaaa	taaccttaga	ttatttccat	aagaagccat	agaaataatt	398880
ccadactetg	aaggatagcg	ccgcacaatc	tctaatgttt	gacggccaat	actacctott	398940
gacccaagaa	cggctaaatg	tttcaagcat	gctaccttta	actaggtgaa	aaadadaatc	399000
Catactecge	aagtcgagga	attgtcaatt	ctctattgat	actatttcta	actaaagtgg	399060
actadactct	addatttcat	tcttttaaat	cactgctaat	attgagaact	tttctcactt	399120
attititeaa	aatttttaga	aaaatagcct	cgaaaatagc	ttataaattt	aaccacgatg	399180
tacatcatcg	tcaagaacac	tacagagatt	cccgaagtcg	ataaccccaa	atcataagca	399240
Claagaattg	ctctcgaaga	tgcaggagct	aaaaatgctg	tancaatact	aaaaactaac	399300
gaccaagcca	taagactcct	tatcgatttt	gcaataacct	tagcaataag	cgatggaatg	399360
atcagaaaag	caagtgccat	taatacacct	acagccttaa	aagctcctac	aagacatgca	399420
gaaagttgaa	aaataatcaa	ataatcaacc	aaccgaatag	gaattcctaa	agaagaggca	399480
aatacagaat	cgaaagaaga	acaaactaag	ctacggaacg	caaaaatagt	aattacagca	399540
ttagccaaaa	tcacaatagt	gacagggaaa	atatcctctt	tcgttaaaga	atctgcgtt	399600
cctaacacaa	gctccgttcc	tatatgagca	ttctttgtca	taaagactaa	Caaaacaaca	399660
ctcagagaga	ataataaaga	aaagactaga	acaatactac	totottotga	aactttaaaa	399720
gtattacgaa	taaagtaaat	aagaaaccct	gtcagcatag	crattaccat	tactacaaaa	399780
gtcaaggtac	ccaaagagag	ggtcgtcagt	tgatgcgtaa	acaaacaaac	acacacaaa	
ccaaaaagga	cagtatgaga	gacagcattc	gcatacatag	ccatctttca	Caagaccaaa	399840
aaagttcctg	caaaagcacc	tgaacaggaa	atagcaagga	atactataat	ctasatata	399900
tcaatataga	gagaacccgt	gaaaagactt	Ссадалаласа	ataccacaac	aaatacta	399960
aaaaattgga	aaaaagatac	tccataataa	adagaaaatc	ccasagggat	tagasttast	400020
tttttttatt	tgggataatt	tatcaataaa	Catcataaca	aggatoatta	cagacttcct	400080
tcaaggtatg	atccaattct	tcagtaagaa	Catoctotat	tteeteage	agaatetetg	400140
cactttcctt	gctaaaatct	aaagaattca	caagatacga	ttcccatast	aactcatgaa	400200
gaactaatct	taaggcctca	cttcttcctt	tttttatasa	tocccataat	cryrgageae	400260
ttttaacata	accccgccat	tctaaaatct	gaacteteea	tetagggaaaa	couguett	400320
caaaatactc	ctgatactta	taactacaca	Gaaaatetea	cctagggaaa	ggcttaggcc	400380
gattatgaga	aatatgccaa	aacaccttta	aaaaaccccg	addactaatg	ttctctaaac	400440
agtgcttcct	acggacaaaa	CGaatgaccc	adaggegeee	tigateett	gaaaacgaaa	400500
gaccggccaa	taatccagca	Caaatgacca	ccaaagatta	cygagaaaaa	agcaaacata	400560
ccacctatta	ccctataata	acacaacata	tgaatggtoo	cycaggcaag	gttacaggca	400620
ctcccctaat	ccctccaaag	aatrcaraaa	ggataagetat	agagatatag	cttcctaaag	400680
gctgacgagc	ccctccaaag acctaaagaa	aacgcagaaa	ggataagaat	igtacttaga	cgatcggaaa	400740
ttcgaactcc	acttacgatc	accaaccata	taaaaattaa	aattaaaaca	atccctacgc	400800
cagtettaa	gccacaagta	acaccaaaat	Ctttatana	actgagtget	tcataaagaa	400860
gataccacca	ccataaagca	aataaccaac	Cacaaaaaa	agtagtcaca	acaatttgtc	400920
Caagaaaacc	taaagtggct	acttaccat	atagatagac	gategeagee	aacgtagctt	400980
tagggctact	ttccttgaca	taactggctat	acagacagge	gttaatgcga	ttgtatagcg	401040
gaacaaaaca	ttccttgaca	tetttateta	adattactec	gatagcaaag	aataccacaa	401100
tecceataac	aagggcggag	accacacaca	acctacatac	tttccctaag	aaaacaatga	401160
tgcaatgaga	caaataccga	agcagcacac	ccaaacaaca	caatccaaaa	aatagaagct	401220
tgagataaac	aaacatattg	aggrantae	gerecaacta	gaagtcctgg	atacgacgcg	401280
actataatca	tttcgcttaa	aagaggetge	cigetaatea	agagaattgt	ccccacaaa	401340
aaaacacaac	tacaaatcaa	carcaccastc	aaaaaactag	ataagaaaat	cgtatcagaa	401400
Ettattccaa	tgagcataat	toacaagact	Cadattgttt	tcctcgagag	agcttcaggg	401460
atteateagt	aagttcaatt	Caratana	acytttggaa	aatagtgtct	ccattcagac	401520
gttgacgcac	agggccacaa	testestess	gettatteaa	taaaaccaca	tgatcaaata	401580
getettgeaa	atgactcaag	catgatgaa	Caacgacgat	agtettteee	tgatctcgca	401640
catccataad	aacccctaca	gatytttaa	acyaagccat	atcaatcgct	gaaaacaact	401700
actatectec	atatagatct	getetetegea	tcaaagcacg	tgctaaaaat	gctctttgtt	401760
ctasastata	tgagagetgt	cttacttgtc	catetgetae	ggattccaaa	ccaactcttt	401820
anctataaca	aaaggcctcc	cettgateat	Ccgaagaaat	tctccccac	attcctttat	401880
tagetetete	ccccataagg	gridaticta	ayacagtcat	rggaaaatcc	caatccacgc	401940
aataaacact	aggcatatag	getatgeget	yacgcacctt	cttaaatttt	tgattaaaaa	402000
taccarctee	ccccgaagag	gguudatca	yycctaagga	agcctttaag	agagtgcttt	402060
tataataaaa	attaggacct	tagtagtag	ttaatgaccc	ctttcccaag	gaaaaggata	402120
terestett	aacggctgca	ngcccatagt	ctacacaaag	gttgtgtaca	gaccaaaaag	402180
tatttaaaaa	gacattcaag	agccacccct	cctaattctt	ctgtgataag	gcagacatta	402240
anacosacts	tgctaaaata	actgccgtcc	acattatcac	tatacaatgg	tttttgagct	402300
agactatoct	aatgactttt	CCCCagagaa	gaaacaattt	ttttcaacgc	atcttggttc	402360
ataatatcac	cagggaaaac	ttasaatta	ccargeteat	Laatataatc	tacaaccgcc	402420
	a	· · · · · · · · · · · · · · · · · · ·	опачагалал	ecceandada	aaracaac _{da}	402480

gacctccatg	ctccggaagc	cacttcttca	ggagtagcta	aatagcgacg	tgtaaagtaa	402540
Ctyaatgcat	tatgacetga	gacaagatac	cgtaaatttt	caggaattgt	actcaaacat	402600
ryttlegeee	aagaatctaa	aatagacatt	tcacaaacaa	gttcctcact	atttocttta	402660
aattcagcag	accattcagg	gaacttttca	atgagaactt	ctgtaatttc	tatgacaget	402720
CCCCCCaaa	tagaaagatc	catccagata	tgaggatcgc	aaataccgtc	ttcttctaga	402780
ggaacaaagg	ccccacgcgc	tatcaaccgc	tcccctaact	tgacactatt	gggattattt	402840
tctaaatgct	tccgcaaact	taatgtatgc	tcaagaccca	ggccgttaca	aaaaattaco	402900
gcacttccag	caatcttgtc	cttatcccct	ttaaccatct	catacocato	addatctacg	402960
gatcctttga	tcaaaacagc	ggtagcaagc	ctattcccca	caactettte	agggcctaag	
tgaatcatgc	gattcatgga	tagtatacaa	ggacgtgaat	ttacattata	aacacaacca	403020
ttggtacatc	caaaagttat	accacatacc	acqaaacaqa	aaatccaacg	catcocatta	403080
aatatatatc	ccattttcgc	atccatctct	ctagaagcat	tttttaagat	caccaccica	403140
ccacttaacq	aaccaccaaa	catcaaagcr	ataaccccat	ctcctaagat	toattaaaaa	403200
atttttcgat	cccagaaact	aatgaaaaag	caaadtacca	Cladadyatt	tattatttac	403260
aatatattt	atccagcaag	aaatacaact	aatagaaata	gaaaaacaag	ttctattcaa	403320
gatagtttta	aaaaaattad	aaaacccatt	tattttata	aaagaaatat	ctttgttcag	403380
aaaatcttct	aaaaaattag	atttttate	tyttttataa	gaaaacaaaa	tgttatagaa	403440
taaaaaaaaaa	ttactttacg	acciccacge	tttgaattt	gttaagaaac	aaaaagatcc	403500
taaaaaaa	aatattgcaa	aaaggagaac	ttgcaatata	atttatgttc	gctgattgat	403560
caaaacageg	ctttaatttt	atttetetaa	acattaaatt	gaaagtatgc	cacattcttt	403620
cttgtaaaat	atgtaagcat	caattataaa	aggtgggttt	catggccgta	gaacaatcac	403680
atataaaaga	agaaatagaa	aaactgatcg	gaaaagctat	taaaagagtc	tgcggaaaca	403740
aagaaaacga	tttatgtcgc	tatcttccag	gccctagcgg	cggttatatg	catcatttca	403800
ctctaaaaaa	gatgaaaagc	gctgctcccg	aacaactttt	aaaaatgtta	aaaacattta	403860
ttttagaatc	ggaaacccca	cgcacaatta	atcctaagcc	tagageteet	agaggeteta	403920
aaaaacgtcg	tgactttatt	aactttacta	aaacagatat	tgaacgcgtt	ttagaactgg	403980
caagacaagt	tggagacaaa	gacctcctcg	ctcgctttag	ccctaaaaaa	CCGFfaactt	404040
CLECAAAAAg	ggagttaatt	cgttcgattc	gcaacggtat	cqtqaqcqta	gagetatoga	404100
argeeraege	cgaagctgtg	aaggctgtaa	gctctcccaa	ccttgaagtt	accteteett	404160
tcgtttaatt	aaaaaataaa	ttttacaggc	gacttagcaa	taaagtcgcc	taagaactct	404220
taatccctta	ggagtatccc	tttcctcttg	tcaatagaga	gaaaagat.gg	tatattataa	404280
ggtctttcga	aatggaaaca	attcaagtta	gtccacaacg	aaataaaaa	ctatcagaat	404340
agaaaataaa	agtatttcag	agggtaaata	tgacaaaaac	Саваавава	CCttttgga	
aattgcgctc	tttcttgtgg	ccgatacata	ctcacgager	aaagaaagtt	ctaccaatat	404400
tcctaatgtt	cttctgtatt	acatttaact	atacograft	acacataca	aaaaaaaa	404460
ttattgtggg	agctcctggt	tctggtgcag	aggcaatacc	tttcatcaag	ttttaaatt	404520
ttgtcccctq	tgctattatc	tttatgctta	tttatgcaaa	actaactaat	attata	404580
agcaggcctt	attttatgca	gtgggaacgc	CCTTTTT	tttatttaa	attitaagta	404640
ctgtaattta	tccgctacgc	gatgttttac	atcctacaga	atttactac	ccgccccga	404700
ccatcctacc	tccaggattg	ctaggacteg	ttacastatt	accigoigae	cgtttacagg	404760
cattttatot	acttoctoaa	ctatecees	cogccatctt	aagaaaccgg	acatttgctg	404820
troctaatoa	acttgctgaa	atccaccana	gegeeatget	atetetaatg	ttctggggat	404880
gagetaatat	aattacaaaa	acceacyaay	caaagcgttt	Ctacgctctt	ttcggtatcg	404940
cttccatttc	ttctttacta	gettetggte	grgcaartgt	ttgggcttca	aagttgagag	405000
ctattgtata	tgaaggtgta	gateettggg	gaatttettt	acgtcttttg	atggctatga	405060
ccattgtate	tggacttgtt	cttatggcca	gttactggtg	gatcaataag	aacgtattga	. 405120
cegatecteg	cttctataat	ccagaagaaa	tgcaaaaggg	gaaaaaaggt	gctaaaccta	405180
adatgaatat	gaaagatagc	ttcctctatc	ttgctagatc	tccttatatt	cttttattag	405240
ctctcttggt	tattgcctat	ggtatttgca	ttaacttaat	cgaagtgact	tggaaaagtc	405300
agctgaaact	gcaatatcct	aatatgaatg	actatagtga	gttcatgggg	aacttctcct	405360
tetggaetgg	Cgtagtatcc	gtacttatca	tgctatttgt	tggtggtaac	gtcattcgta	405420
aatttggatg	gttaactgga	gccctagtca	ctcctqtcat	ggttctccta	acaddtated	405480
ttttcttcgc	tcttgttatc	tttagaaacc	aagcttctgg	actaateact	atottcoota'	405540
caactcctct	catgctagct	gtggttgtcg	gagctataca	gaatattett	tegaaateea	405600
caaaatacgc	tctctttgac	tcaactaaag	aaatggccta	tateceterr	daccaadacc	405660
aaaaagtcaa	aggtaaggct	gctattgatg	tagttgccgc	CCCCttccca	aaatcaggag	405720
gagctttaat	ccaacaaggt	ttgctcgtta	tctgtggaag	tattggaget	atgacccctt	405780
atcttgcagt	gattcttctt	ttcatcattg	ctatttggtt	ggtttctgca	actaadttaa	405840
acaaactatt	cttagcgcag	tctgctctta	aagaacaaga	agtggctcaa	gaagattcac	405900
ctcctgcttc	ttcatagagt	tgcttctctt	actcttgttg	atccctacct	actttttaat	405960
ggggtaggga	tttttttat	taactcccat	ttcacgaath	catacacttt	tttcaatcas	406020
aaaaggttat	aataaccgtg	agacattcto	gttgtactat	gaagtgtagt	cctttaaccaa	
tagttcccca	tatattttta	aaaaatgact	acasatates	tagatettet	totttaacac	406080
ttaggacaat	tgcccgactc	attettogge	ttgttctagc	tettettee	CCaceette	406140
ttgttttcct	tgctgcgccg	attagetato	ctattorage	aactttace	ttacases	406200
tcotaatctt	gattataaco	ctagtcgtag	cactoctace	taaatcaaac	attate	406260
					· · · · · · · · · · · · · · · · · · ·	

£::-

tocccaacca acttcacaa					
tccccaacga acttcagaag	attancant	accyctatec	taaagaagtc	ttttatttcg	406380
tgaaaacaca ctccctgact	ttaatgaat	caaaaacacc	tattaattgc	tggaaaagcg	406440
gtacagacct gcctccgaat	ttacataaaa	aagcagaggc	tttcgggatc	gatattctaa	406500
aatctataga tttaaccctg	tttccagagt	ccgaagagac	tettetteaa	aactgcccgt	406560
tatactggct ctcccatttt	acagacaaaa	Ctgaatctgt	tgctggggaa	atcggattaa	406620
ataaaacaca aaaagtttat	ggtttacttg	ggcccttagc	gtttcataaa	ggatatacaa	406680
ctattttcca ctcttataca	cgccctctac	taacattaat	ctcagaatca	cagtataagt	406740
tcctatatag taaagcgtct	aagaatcaat	gggattctcc	ttctgtgaaa	aaaacctgcg	406800
aagaaatatt caaggaactc	ccccacaata	tgattttccg	gaaggatgtt	caaggaatct	406860
cacaattett atttettte	ttttctcatg	gtatcacttg	ggaacaggct	cagatgattc	406920
aacttataaa tcctgataat	tggaaaatgt	tgtgtcagtt	tgataaagca	ggaggccact	406980
gttccatggc aacatttgga	ggctttttga	atactgaaac	aaatatgttc	gatccagtat	407040
cctctaacta tgaacctaca	gtgaacttca	tgacgtggaa	agaattgaag	gttttactag	407100
agaaagtaaa agaaagtcct	atgcacccag	cgagtgctct	tgttcagaag	atatgcgtaa	407160
atacaacgca ccatcaaaat	ctgttaaaac	gatggcaatt	tgttcgtaat	acgagttcac	407220
aatggacatc aagcttacct	cagtatgctt	tccacgccca	aacctacaaa	ctagagaaaa	407280
agaatagaaa gcagtctccc	tatacgatct	tccctataag	gggagtctga	tcatttgcaa	407340
tacctacaag caaattgcgt	ttgaaagact	ttttataatt	gagatttaga	aatataaaaa	407400
aatctttaat ttttataaaa	agaatacgtt	attcccaatc	gggaaaagaa	caaaaagggg	407460
ctcgcccttt ttttaaaaaa	agcataacaa	gctctctcgt	tattcttctt	ctagaagcta	407520
tcttcaatga aaacttttca	tcaataatac	aaaacaattt	caataaaaat	tttaaaaata	407580
aaaacatttc tattaatagg	atttttgtta	aatttacgat	ataatacgca	aattgatgag	407640
cctaggaaat gtatgagtaa	tataacctcq	ccaqttattc	aaaataatco	ctcttgtaat	407700
tattattttg aattaaagaa	ttcaaccact	attcatatto	ttatcagtgc	Catcttactc	407760
tgcggacttt gatagctttc	ttgtgtgtag	cagctcctgt	ttcctatatt	Ctaagtggcg	407820
cattgttagg attaggatta	ttaatageet	tgattggtgt	gattttagga	ataaaaaaa	407880
tcacgcctat gatttcatca	aaagaacaag	tattcccca	agaactcgta	actadadada	407940
gggcgcacta tcctaaattt	atctctatt	ttatttcaga	agaacccgca	aatayaatta	
atctcataag ttttattgat	cttctaaatc	aattocacto	tgaagttgga	testetage	408000
attacaacgt atctgaagaa	ctacaacaca	aactgcactc	attagagaga	ccaccacaa	408060
taaaaaatga agtccgtact	acttetetta	aaacagacac	geregaggge	accycacyct	408120
ccctcttccc ctctttacca	aaaatcttac	aaagacttga	tantttt	terrecegte	408180
agritatic tocago	aaaattataa	addaygcacc	cccattttt	tggttaggag	408240
agtttatttc tgcaggcagc	aaggetgtag	ageteeateg	agitaagaaa	actggaggca	408300
gcctcgaaga agaccttagt	gattatataa	aaccagagac	gcttcctacc	tattggttga	408360
ttcctttaga ttttagacca	attattana	ctattctaaa	tctacacaca	ttagttttag	408420
ctagagtctt aactcgtgat	gtttttdad	accitaagta	tgcagcatta	aatggcgagt	408480
ggaacctgaa tcatagtgat	CLAAALACLA	Lgaaacagca	gctctttgct	aaatatcatg	408540
cggcgtatca atcctataaa	Catctatete	aaccctctct	tcaagaggat	gaattctata	408600
acctgctctt gtgtattttt	aagcataggt	actcgtggaa	gcagatgtcc	ttaataaaaa	408660
cagtcccggc tgatttatgg	gaaaacctct	gttgcttgac	tttagaccat	acaggacgac	408720
cccaagacat ggaatttgcc	tctctaattg	gtactctcta	cacacaaggc	ctaattcata	408780
aagaaagcga acatttcttt	cttcattgac	actccttagt	ttagatcagt	ttaaaacgat	408840
ccgtcgtcag tcaaccaata	tagcgatgtt	ccttgagaat	ttagcaactc	ataattccac	408900
ctttagaagc ttaccaccta	taacagtcca	tccactcaag	agaagcgtct	tctcccaacc	408960
tgaagaagac gagtcctccc	tgctgatagg	ttagagattt	ctattttgga	ataagaaaaa	409020
ttctactccc tctcgtagcc	cctttcgaga	ctaaaaagct	agttacctgg	tttagtcttt	409080
aaagaagata ctcgtcttcc	tatgaattct	agctcctgtt	acaaaattga	cgtcataaac.	409140
cctagctctg gcatttccat	gctctagagc	tattctgtga	agaccctgtc	ttaatacact	409200
ctctaatcgc ttagaaactg	aactcaaatg	ccttaacaag	aatttaccta	gttctttctt	409260
tggctcatca gaagcagaaa	atgcttgaac	agcttcttt	agatcctgaa	tcacatacag	409320
gcctaggttt acatcaaaat	cgatagaaga	ttcgtcaaga	agattttggg	atgacaaagc	409380
tectacaaga gcacaaaget	gaaggttgta	tgcggtactg	ttatctacaa	aacacagcca	409440
atcccaagca tctctaggaa	gttgagtgat	cagctgtagc	tgatcaaaag	aatagccatg	409500
caagctcaac aatagcaatt	ccttactgat	tgtctctttt	gtaagtcccc	ctgcttcaat	409560
ctttagagtt cctcgtgccg	tataggtagt	gtagatacgc	tctacaattg	ctttgacttc	409620
atcagtatcc catttctctt	gaagagcctt	gttttttaat	aaaagaacgt	cctctttcqt	409680
taattgttga agaatatgat	gegtetettt	acaaaaaatt	gtagccttag	ctgtactgta	409740
tcccaaaggc cctagccaat	agtacccata	acattctcta	gggacaccta	ggtctctaca	409800
aacttgtgga tctcctgctg	atataaattt	ctgaagccaa	tataacqqqc	aggtttagct	409860
taaaagatct tcaaatattg	gccaattatt	cttttctaaa	tcacctgcga	gcctactaar	409920
accaaaactc tctactttac	ttcgcaattc	agaaggcaat	tgtttgattt	totottoagg	409980
agatatgtta cacaacaggg	cagtagaaaa	ttgtctaaac	toggotaato	ttacctocto	410040
ttctcttaca aatgcagaga	ttgaaaggcc	ataagcttca	tctatcacgt	gagtaaatct	410100
atcaccaste attettente	ttaataasa	attattatat	CCSSSSSTCS	3377433354	410160
<u> </u>					

						1090/01090
tactaaagaa	a agaatgacaa	aggcaataaa	agctaaaaca	ctcccaacaa	tataagaaac	410220
222.22.50.		aauctuctaa	. ECCACCEA:			410280
	- acagacatag	aactcaaagg	aaaddtadas	+ + ~ = ~ = ~ + ~ ~ ~		410340
	,	LUGUCALUCT	Caraccaac	· +~~++~~~+		410400
	- vogactatgt	. yudaalaaaa	ALCECEAALE	·		410460
	, addadacayc	CLUCCECACC	- CttCagatta	ddcaaacttt	ttagaaa	410520
- 5	, godgaccgaa	Lactidadga	- EEECaaaaat	tteteeess		410580
	- cacecccae	Cladatogta	tttaggataa	ttcaacaaca	* * * * * * * * · · · ·	410640
	, agacetaagg	aacctaggta	CEGECEAAAC	· ctttcaaaact	~ + + + + + · · ·	410700
	. agacecee	Laaccccccc	rrrattaat	ttacttasaa		410760
	, ecceaggec	aatayayaaa	CCECAGGAAG	· ^+====++~~		410820
- 5	. ccaggacgaa	Lyladcadcc	caaccadacd	tratasctor	2252255	410820
J. J		agutaatucc	atccggactc	************	+	410940
5	. ccaagagagc	Ligigagaaa	aaataaggtg	AACCACCCCA A	tcaaaatatt	411000
-3	geecaacte	gcttcatcta	-catattair	atcaccatas	+ - + - +	411060
	cecyatetya	acgagttccg	aagaactcca	catatttttc	ttaaaaaaa	411120
	ugcadactt.	Ccadagctaa	ttttttttaa	Caatagaaga	~~+~~~~~++	411120
	gggagtgttt	Logiacagio	ctaaaggacc	acaccaatac	+ - + + · ·	411240
	gacacccgac	accatgggat	ataccagacg	tcccaaccaa	tacaataaaa	411300
~~uguegeag	aagaatttt	LCadaattag	ggagettaer	togatotaca	+ a+ + +	411360
	additytaag	agttttttt	gtaaatatac	taataatta	+	411420
9	uagaatayay	accaagtgat	gtateteata	aatogaaacc	tootenan-	
	aucaacaaca	Citggataat	gttcttggar	GAGETCCATA	3 + 4 + 4 - 4 + · ·	411480
g ga coageaa	CCCCCCagg	LCCEGECECA	tottataaat	Cataaacata	acaaaaaa	411540 411600
gaacaag	agadactaya	acaagagcag	ttcctaactc	tatogatasa	202025500	411660
og cacaccaa	uyctacaata	gcgagtacag	cagcaacaac	anasacrata	2400	411720
gegeeggeeg	gcacaccgaa	aattgggtag	cctgactata	gttgacttgg	atattaata	411780
uggccg	catattaatt	atagaagete	cattgtgact	tgagtatcag	catattatt	411840
	accattttag	aaltcatgga	attattttac	ttctataaar	ttctttcaca	411900
gactetag	agettgaaaa	aatcgattgc	gaagacctga	actoctacto	aaatagatat	411960
ceegacttt	cagilicitea	ctacattgaa	gagcactate	tcocacatas	Gaaga at oat	412020
cecececa	Lactettgga	tcgagtcgat	ttaactatct	caaaccccaa	tactttcata	412020
aaccccacca	rgerrgreta	aatgactgaa	aaaatgaccc	gcaaggactt	tagatgaaga	412140
cacgcaaatg	gradatattt	ttttatctct	tttagaatco	gtttcccttt	Ctatagaata	412200
cegageggga	accagettea	tactaacgga	gaggagttct	teteacttag	++++++	412260
og cag caa	cctggaactc	Lacctcaaat	cagattegae	tttaaaccct	+ ~ + ~ ~ + + +	412320
	-uctatatet	LUALUTATEC	aaaactaaac	atraccrest	~~+~~++~·	412380
acaaaaga	gatgtagttt	gcaaaagtat	ttgagaaget	ggtctttgtc	traarrare	412440
ccccaacge	ggctttatga	aaccaggaat	aaacctagat	AACACTACAC	t = = = = = = = = = = = = = = = = = = =	412500
auguacacaa	yatayagaac	attcqcaatt	tttcaatcat	accccatatt	~~ +	412560
ag co cacaac	rgergarege	cttttagaaa	gtacgaggag	antanaana	00000	412620
gagagaagaa	cccayactcc	atggatettg	aaaqaqaqcq	togcattaca	attanagete	412680
accepteac	cacyacytat	ctatatgaag	gagaggtgta	tcaactgaac	C+ ~ > + + + -	412740
ceeeeggeea	cycygacttt	tcgtatgaag	tetetegate	tctatctgca	tatassass	412800
CCCCCCCCC	LyLagatgcc	gcccaggggg	tgcaggcaca	aagtettget	22tatata	412860
rggcccccga	aagagattta	gagatcattc	Ctotattaaa	Caadattdat	Ctacchan	412920
cegatecege	yayaattgct	caacagattg	aagattatat	addectadae	2012000	412980
ceacegeeeg	LLLLycaaaa	acaggtcagg	ggatecetae	Batcctcasas	~~~~	413040
~coccgcccc	LCCLCCaaaa	gcacctgcag	aaacagaget	taaagcttta	~+ ~+ + + · + +	413100
	CCCCCacgcc	uucattataa .	TCTACGTACG	Cattattaca	~	413160
uaaaaggaga	Cogcattact	tttatogcog	Ctaaagggtg	ctcatttas		413220
- ~ 9 9 9 9 0 0 0 0	Lucuculada	gcaacattta	Lagaaggttc	cttacacact	~~+ ~ ~ ~ ~ ~ · · ·	413280
geecee	Lyceaalete	aaaaaagtga	aggatataa	mat comment	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	413340
~uucuuuucu	Luciguadaa	actcctttaa	aaddcttcaa	343434aaa		413400
- cycogyaac	ctattttata	gattetteta	actttdatac	tttmaaaaaat		413460
3	caacgactt	uctteaacea	Ladaacaaca	22002atass	Am	413520
	cigiggoric	LLAGGACTEC	TTCatcttca .	Mattatet	~~~~	413580
acca a a a a c c	Lyacttayat	attattocaa	COUCTCCSSA	tatastatas		413640
-aaaaaacgg	gaaagtttta	gatattoata	acccctcadd	atatocoost		413700
-cgagcacg.	ggaagagcct	LUUUTECAEG	COARtattat	Caccoctos		413760
3 Cuaca c ca c	gaacetetet	ttagataaac	GEGGGAtcta	cutaaaaaca	~~~~~~	413820
	age-e	ycttacdaac	ECCCtttaaa	trarattete		413880
	gaagtcagta	actaaaggtt	atggateett	tgactaccgt	cttaaaaa	413940
~ccqtaauug	at Cuardard	aaattanann	****	~~~~~~		** * ^ ^ ~

tttcttgttt	agtccataga	gataaagcag	aatctcgtgg	aagaagtato	tgcgaaaagc	414060
cegeggaege	gartetata	Caactcttca	agattcccat	ccaagetgee	2112222222	414120
aag ccaccgc	Cayayaaacy	attegtgege	- CCCCtaagaa	CULUSCCUCS	220+0+40+	414180
geggagatat	Lactaggaaa	cgcaagctgt	GGGAAAAGCA	2220222002	222222	414240
egaaggaall	Lyyaaaagtt	LCCALLCCCA	atacagettt	Cattgaagtt	Ctassattas	414300
artaacactg	acycttaaaa	Leageacact	gcttacaatt	gaaaattccc	tartratas	414360
tagttttcgt	agecacecag	tagatata	agattttta	tttttacttc	actctttctg	414420
catagatata	gtgcacccaa	tastataaa	agaactctcc	tcgagggcga	tcgttacgct	414480
ctotacoata	agctccaaaa	aaccccgca	gtccttgagc	taacgacatt	gaagagcttg	414540
caccaattoo	agtcactact	attetacasa	ctgctgctaa	acagggaata	ggtagccctg	414600
ggaaatattc	agtcactact	accoacatat	tatatatata	cgcatggcgt	aatgctccac	414660
taacatctaa	ttggaagatg aaatgcactt	tgaataatgc	atccccgggtt	ggcagcaaat	cctttatgta	414720
ctaggtctaa	tccccaatta	tattettte	acceeegeg	ccacatcaaa	gcaatttctc	414780
catagetgat	gatcttggaa	gcgtataaag	Catgaaaga	Laaaagcatg	aatccctgag	414840
gatcatgggg	catttcaaat	attaaggggg	ttcctggata	attiguatg	aataccgagg	414900
gtatctcttt	ccaagaagaa	aggaaacgag	caagaacag	tectatesta	gcttgctcgc	414960
gaactccaga	atttaaagca	tcgattgcgg	tccactttcc	totacettt	aaggaaaggg	415020
catctaaaat	cgtatcaata	acagggattc	Cttccggatc	tttcaatoct	cggcccacga	415080
aagcaatacg	aattagatag	ctttccaact	Ctagagrate	CCactette	aggacttcag	415140
caacggcagt	tgcggagagc	tttaggaaat	CtCttaagat	accotagant	cacatata	415200
ctggatatcg	ccgtattcta	taccattgtg	aacagccttt	acatagtage	Ctacaccaa	415260
agttcctacc	caagaacagc	agggacggcc	ctgtactttt	actactatta	attonnant	415320
aggagccact	aatggccacg	cctcaggatt	tectecagge	ataattgatg	accyadadac	415380
tgcaccttct	tctcctccag	aaatccccac	qcctaagaag	agaatcccct	tttcttccs	415440
ctctttacat	cgtcgttcgg	aatctttaaa	atagctattc	CCCCCATCGA	taatcacato	415500
gccgggttct	agaaaaggca	gtaacgcatg	aatgctctga	tccacaggtt	tecetacte	415560
aattattaat	atgatette	grggtctctc	caatgaattc	acaaagtett	Ctaaagatto	415620 415680
aaacccctaca	agctctcggt	ggttagggta	ttctttcaag	aagtcccccc	ttttctctctcc	415740
ggteegatta	tagacagaga	cagaaaaacc	atgatctatc	atgittaaga	Caagatttt	415800
ccccatgaca	gctaagccaa	taagaccaat	attcgtttgc	aaagctacct	adoctootta	415860
aactaattta	aatatagaac	aagctttcgt	tttttacctt	gagccaacaa	Cacatagtga	415920
ccacaacaga	tgtcttgttc	ttcacaaaca	ctatgctcat	tagcgatggg	Cacattatta	415980
atatatatt	CLLCCEGCCC	aattagcctt	cgaatttccc	ctttagattt	acatagtees	416040
aaaacaagaa	ataggtetaa	ccaacgtttc	cctaacacct	cogatttatc	Caatgaggg	416100
CCCACCCCC	ctgcaaacaa	ttcatgaaaa	tctttttcca	ataaggatga	aagattccct	416160
ggatgeatge	tacgagttac	agaaagagcc	tcttcaagcc	ctagatetee	atgaatagga	416220
cccaagacac	cttgggctac	aaattccttc	actgcaactg	gateegteta	tacacacata	416280
lcaatatett	gaatttette	attgctcaat	aaagttaacg	tacgagcaat	tttagggatg	416340
graceategg	gcaaacggag	taagtattgg	tacagctcaa	aaggagaggt	taaatctcaa	416400
tegagecata	cagttcccga	ctctgttttc	cctattttt	teceetgage	attcottaat	416460
aaayyatayy	taaggccgta	ggcctgaccc	aaccctttac	ggcgaataaa	atcgattcct	416520
aataaataat	tccccactg	atcgctacca	ccgcactgca	agatcgtgcc	ataattttta	416580
cetteatea	aaaaatcata	ggattgcagg	attaaatagc	taaactcggt	atagctaatt	416640
aagtgttttc	aatgcacccg	tagetttatt	gtatetttea	ctagcatttg	gcctaaacga	416700
tratttacaa	ctatatccct	caayaaatca	atcagggaga	tctcctgcaa	ccagtctgca	416760
tratcasasa	gagtcacccc	gggaagatag	cgctggagac	acgccgtgat	cttttgactg	416820
ccaaccatac	cttcacttgt	ccgaagtaac	gatetetege	tctgtttccc	tgagggatct	416880
ctcttcaaga	ctgtggctcc	aatcaaataa	gctatggggg	taatccccag	agcagcgagt	416940
aatcctaaat	aacaaatccc aagcggcgat	accedatya	acatatgta	gagcaggtgc	ggtaggatca	417000
aaaatatttc	gctcttgtaa	aggiccitci	caggatteca	aacctgcggt	aaaattctct	417060
agaattgcca	agctctatct	tatogatoct	aaaaattata	tgagtgatcg	tacataatta	417120
acaataaaga	aaagattgta	cactgaggat	aattoottta	ctcaaggcac	cacctatcta	417180
tettetetaa	agattaggtc	gctatgtcta	catctccast	tagagatacc	araacttcta	417240
acgccgcaac	tagtctaaat	gccacaacta	acaadacaca	ccttcct	togatgetaa	417300
ccgaacgtat	taaagaatgg	ctgcccccca	ttettetet	gattgtagg	cctaccctag	417360
caattgctgg	ctgcattgtt	atggcattaa	Ctaaacaaar	tettacco	ttactctcca	417420
tegtaggagg	gcttctccta	gctctaggac	tgctcttaaa	acctgagaac	totatttato	417480 417540
gaaatgcaga	gagtctgcgc	gaagcttaag	caatgcttta	gagtgaattt	dadadacece	417600
agactcactt	accccaagga	ccttaccgat	ttccttaagg	acaagttett	Catagrages	417660
cagggccatg	accttgcgtt	ccttttcctc	aagttcctga	atcgcattgg	Ctaaacataa	417720
agaaaattct	Egittatcia	caacatcgta	ccctgtctca	gcacgttcat	Cadadatte	417780
ctcttcaaga	qccattccqq	ctccttcatc	actttqtqaa	ggccactctt	cattcagaga	417840

0000000					,	
cacgattaat	gcaggacggg	cagatacaaa	ccatcccgaa	agctcttgtt	gcgaaatatt	417900
2-3-4-4-6	· www.ag.c.c.caa	. Gallerand		2224		417960
	. Sacarerral	LUGULLEED	arggacact:	- CC300000000		418020
	· ••••••••	Laguettaat	Cadaaatacc	· ^^=		418080
	. Baccacad	- quiccaceee	acooacoaca	- CC++C>>		418140
	- Secretary	gggaaggcat	CCCEGaaatc			418200
	- www.cuguact	Caattaadct	arcacastac	· +~+~++		418260
3	- uuucccc cc	Lyalulling	agretactat	~++++~~~~~		418320
		aaritaaaaa	adattrrraa	202212444		418380
	- wwg.caacagt	quitacadaa	gattaaarta	22++22~~~~	~~~	418440
	accectaaya	ayyaaatagg	gatttctta	TTT PTT TTT		418500
	ccugggaaat	gryggregag	cattttttc	atctcaaatc	~	418560
3-04500000	ucggcccgaa	aattittaaa	Laccdaccat	tetaasaaaa	+ ~ + ~	418620
	ceeeeeeegea	LLacaggatt	agactttgag	tatgaggtgt	**	418680
	addictatgg	LaatLacctc	aagggtttat	ttctcatccc	3	418740
	uaccegagag	actiticacac	LETETCCCCCA	addatctcca		418800
	Lucuccycaa	Cyycolotad	aarctttaaa	naaaaattaa	~-~~	418860
	~gg~ggcgag	aaayaactac	aadadadctt	+++cveveee	+ - + +	418920
J	~~~gcgatgc	Caaacacccc	CECEGATICA	traaratare	+++	
	agageeeeat	<i>uaucuatut</i>	ECCAAddaaa	~~~~~~~~		418980
	auglalacal	LCLUUCCAAA	Lactedgage	Caarcace		419040
	ageacaggea	altidaticc	Lagarettea	ココナコクナナクナナ	~~~	419100
	carcagaacc	grantette	LICCILAGGG	CACCCCCCC	G33G55555	419160
35 oacgc	cccacacaag	aatttttttta	Edcaddctct	tettteest	200000	419220
taaaagactc	gcgagcaaaa	cgatagggaa	ttttggagaa	ctgggaatgc	acyccaacca	419280
guccaac	uacyacacca	CCCLGaaatg	CEGacgcaac	tatttataat	3 F F 6	419340
gtaatttaaa	aggctctctt	ccttatcgat	tttactaata	agagtggctg	accegaacag	419400
agtaagtaaa	gcaggtactt	gactcactaa	agcatctcct	aaaactgtaa	Cagcacacga	419460
ctcaagagca	taacccgaag	tataataaag	acaagttaca	gaaactacgt	accacatctg	419520
aaggatacaa	ctaataattg	catccccttt	aacaaaacca	aagaccccct	ccacgagtaa	419580
gaagaaatcc	ccttcttcta	taagggcarr	ttttattt	ttgacageet	ccatggcaga	419640
tcttccagaa	acaagatcag	aatctaaagc	catctgtttt	gctggaagag	tataagaagc	419700
aaaccgcgaa	cggacctctg	Cgattcfffc	CGaacccttt	gaaaccatca	cctctaagaa	419760
aaagaaaaga	aggaggcacg	Caaacottoo	taccests	cttcctaaag	aaaagttcac	419820
gcctaaagaa	acaatcagag	aagaggggg	tectarage	acaatccatc	agaagaaact	419880
aagattcaat	CCCaaccgca	ataggeage	atataagag	acaatccatc	gtgttgatgc	419940
gaattgcttg	aatttaaggt	aaagacccaa	Cacaccatta	gtaaagacaa	aaacttcgct	420000
atacacaatc	caaaatcaag	aagatetga	cagaccytta	aaaagattag	tgcaaaacta	420060
ctaagaggga	Caaagatcat	trocettaca	Scatether	tcccagacac	tactaggatg	420120
tcctagagaa	tecetacett	ttctcatact	tooctottot	atatatctgc	aaaaacagcc	4201 80
ctaaagagac	gttatgaage	atettteate	ttataaaata	atatatetge	aagtaaaact	420240
gatctcttt	actogaaaat	tttattttac	ccgccgacca	tttccttcta	tgctaacgtt	420300
gctttgggag	Caataggtcg	CCCattccac	ggagtatage	gcagcttggt	tagcgcggtt	420360
tccgacaata	Catadaada	aaactccata	CCCCCCCCCC	ccgaacttca	ttttaatcta	420420
Caacaagagt	tcaaattaaa	adactccatg	gccaagctag	tcattacctc	tgatgatgaa	420480
attecettte	Cttotacaga	agacaacage	gagategeag	agccttgtga	atccatgggc	420540
cataagaatc	tttctgaga	taggrana	ggaacttgtg	tgatagaggt	cttagaagga	420600
tetaacgaac	atcttactta	tacggaacca	gaatacgatt	ttctaggaga	acccgaagac	420660
taatettaga	asatasasat	tttatatat	accaaaggtg	gctgtgtcaa	agttactttc	420720
aagtagttat	accedent	acathar	tacaacttct	attctgacga	actcttttct	420780
tatetttett	attttanna	gcattcagga	aaggcttgat	ttactcgcga	gcctttcccc	420840
tagaaagatg	acaaattaaa	addatttaac	taaataaact	tattattttt	tatatttact	420900
atcaataaaa	gagatataat	addiatittt	aaatgcagaa	atgtttttaa	ttatttaaat	420960
ctcacccata	totttanata	taaaggaac	tcaggtgaat	tccttaatta	tggctacaat	421020
caactttcat	anatheren	Lagateatee	cctagtagac	actaaaaaaa	aatcctgcag	421080
tactataccc	aagattcagt	ttegaattet	attgattact	gcaatctttg	ctgtcttagt	421140
cactataggg	accetacte	ridatttact	Ettaaatatt	CCTATTATAT	- * * * a	421200
aggaacttta	ctattgctg	Ligitattaq	caactttatc	Ctttataaac	~~~~	421260
cccccaaaa	cegegegeee	guggcaaaca	Caaagaaata	222772222	aaat ob	421320
caacctacag	Lattetteta	tctctatcqc	aatcaatcot	tctaaacaaa	actoggaaa	421380
ccaacccaag	gacctacaga	atctcccccc	acceteteca	ttactcaca~	2422664	421440
cyayatatyy	aaagctaaac	attcactgtt	ttecetagra	tecetectas	~~~~~	421500
ccccaaaaca	LCCCLLadat	tcaagcttcc	gaaaatttac	Caaacactot	~++> > + +	421560
gaaacctcgc	aaaatgcgcc	tatatectee	Ctacqtagat	accactccct	CCCC3335+5	421620
	quadcaatic	addaaaccaa	ogtagaaata	aatacacaac	+000+00000	171600

						11030/01030
agattcagga	gaacgtttat	actggcaacc	cgatttccga	ggccgcgtct	tcctcccaca	421740
aataccaaca	actcctgaag	ccatctacca	atactactat	gcactctatg	tcacttatat	421800
ccagactgcg	atcaatacga	acacccaaat	tatccaaatc	cctttataca	acttgaggga	421860
gcatctctat	tctagagaat	tgcccccgca	atcaagaatg	caacaatctt	taactataat	421920
cacageagea	aaatacatgg	ccgagctgca	cccagaatat	ccgctaacta	ttacttatat	421980
· cgaaagaccc	ttagcccaac	tacctcaaga	aagtattgag	gatetetett	aggateteta	422040
tctcactcaa	aacggctatc	ctaaaatcaa	gggtacagta	gattcgcgaa	CCAAAAAAA	422100
aactcttggt	acgcatcttt	tcagtttggt	tatctcgaga	tgatgaggga	Caaaaaaaact	422160
cctaaagcct	ccaagatctt	tccatgacgc	aattcaagaa	aaatcaaaat	acccctor	
taatagaaaa	aacactctca	cgacttatac	aaatcaaata	Cotaatattt	tacconcen	422220
ttcttaggta	ctcttqtttt	aataaaagat	attocaacac	ttctcttcta	cacycacyaa	422280
aaaactcatg	tttttataaa	aaaatattac	acaaaaaaa	atatagaatt	agilaaatta	422340
ataaaaatta	aattaaggta	taatatctgc	acaaatttta	attanagaatt	ctatteteta	422400
atgggatatc	ttccagtatc	tgctacggac	attetttta	accaaaggac	attaaaataa	422460
atcaatagcg	Caaacacaca	aaatcagaaa	ctcatacasa	tana	cgctccctta	422520
gagtettete	cacqqacaat	cacttctctc	atattagaag	tcaaggggaa	gcagcaagct	422580
tocctcatao	ttcttagttt	cacttctgtc	acacciggaag	tectectage	gatcggatgc	422640
ggacatccag	ctgccattgc	attggcaatc	egecetgete	tgcaattcac	tctagaaact	422700
atcatcttgt	tetactetat	agtccttgct	gtctcaggaa	caattctatt	ggtggctgtt	422760
gttaagacgg	ttgatgagta	agcagctgtg	ccattegetg	ctaagaaaac	ttataaatat	422820
actatorttt	cagatyacta	tgcttcttgg	catteteate	agcaaacacc	gaccctaggc	422880
tacaaacttt	caggiategi	ctatgcagaa	tcccaggcgc	aattatagct	ctcctaacct	422940
tttaagatag	acatta	cctctacaac	tcacccagtt	tgtgattgac	ctcctttttg	423000
acttatacas	ayactatgaa	gacccaaaaa	gcggcaattc	ttataagtct	gactgtaccg	423060
actiatagac	aaaagataag	ccactgcctg	tgtcttcaaa	ttaaaactca	ttaaattgtt	423120
attadatgaa	aatatttcac	aaatagttaa	tttctacact	gttgtaaaac	atcgttctcc	423180
traccccccc	cttttattga	cctctgaaga	tgatatatgg	gccttcgaaa	gtaaacctga	423240
cgtcctccgt	tacccatgcc	catgaaatac	acatgtcttc	accccccatt	agaatctcaa	423300
gragiatigi	cgatctaaga	agtctttgaa	tcccatggct	ggggtagaat	cgttccccat	423360
aaaaccacaa	acgccaccct	tttgaaccaa	gtggagaaaa	aactctgtgt	ggcacccact	423420
tagagttete	ttatgaacta	aacaataagg	tgcgcctcta	cgccttaact	cattaaaatt	423480
aatgaaatta	aaaagaattt	ataaaaatct	ttattatcaa	agaaaaagat	tttttgtnaa	423540
aaacaacaaa	ttaagatata	atcttttcct	ttaaatagat	attttatgac	taaaaccact	423600
tcaatcccag	atgtacacga	gaatcaatca	catttgtctg	tagatgagag	attgatctca	423660
gaatcacccg	tgcttactaa	gaaagaagtg	attgctaaaa	taataaaact	cacagctctt	423720
attettgett	tagccatagc	tgtagggact	gcagttgttg	ctggagttct	tggtatgcct	423780
ctcatggcta	tagccactgg	tgctgctctc	cttgcagcag	tcgtactctc	ttatatata	423840
ttaagaagaa	gagagccatc	caaaccgaca	gaagagctcc	ttgggcccca	aaaacatgtc	423900
cccaaggata	ttgcagctca	agtgcaaccc	tcagtccctc	tggattacca	aaagctgctg	423960
agaaatgaat	ggaccctagt	caatactctc	tcagaaatca	atatatcctg	gactetecaa	424020
gatcctaatc	aaagatacta	tgtctgggaa	catcaaggag	ccccaattac	cttagtagee	424080
actacaggag	acatcgctaa	accacgcctg	aaaacctcag	gaagagtcat	gattgttaac	424140
gcagcgaatt	cgaacatgca	atctggtgga	gccggaacca	atgctgctct	ctcagcagcc	424200
acacacccta	cttgttggaa	caatacgaga	acatctgggg	gaaaaataaa	cactggcaaa	424260
ggattatctg	tgggtgaatg	ccgctcagca	ccctggatca	atagagactg	qacqaataaa	424320
tgatacgaac	ccaggagaag	cacatttctt	agcacaactt	cttggtccta	aatatgaagg	424380
agaattgaaa	gcacatcctg	agaaattaag	caatgttatt	aagaaagcct	atttgaactg	424440
ttttgatgaa	gctctcaata	accaagccac	tgtggtccaa	gtgcctctga	tetetteete	424500
tatatactca	cctggaggaa	agctggaact	agaacccgta	aaccaaacaa	agcctaatag	424560
cagtgcatat	aagctttacc	acatccgtac	gtagtgggta	aatgatataa	agaaaggtet	424620
tatggaagct	cttcgctcct	ttgctgcgca	gcacccctca	actcccator	actataatcc	424680
ttacagacca	caaacagcta	cttatggtcc	cttttaacta	aaaagatcta	tttcaatagg	424740
atgcattaat	aaactaattt	tgttttataa	aaaaatctaa	taaaaataca	aattantaat	424800
ataatagttg	aaaattgatc	tattaataaa	atattatgac	agattctaat	CCCCtaccct	424860
cttatacaga	cgccagtctc	tacagaactc	Ctocoaaaca	ttcctatcca	attagactca	424920
ctctcaaccg	tacagataga	atcgagaaaa	tactgaaaat	tatcaccete	actagactec	
tagegtgege	tttgggcttt	agcattgctg	Ctggcatttt	agetatacet	attttttata	424980 425040
ccgtagttgt	cataacatta	gcaattgctg	Cadtataset	ttactccctt	ttaaaraaaa	
ctaaattata	cgagattctt	cctcaaatcg	aacccgaatc	tgaggaaagt	tototototo	425100
cctctcccca	gcctcctaaa	caacaggacc	tecetrace	gatcgatcca	Cttccccat-	425160
ccgaatcact	ccccgaagtc	tctcttgctg	atctaaccac	accecaeaa	describer-	425220
ctatcaccot	cactcctage	tatgaggete	ttcttmaaca	aaactccayad	cttott===	425280
gcttagccgc	tgtagaggga	tcgtttacta	Cagaaacacc	tcarcarccc	tatttt	425340
ggaagcttaa	agactcgaag	cttatcttta	tatchaccto	annanatatt	CCacttt	425400
gaatcaaaac	tcaagggagg	ataataatta	ttaacccacc	ABBCCBCB	atorasa	425460
					~~cccccaa	425520

						/1D70/U107U
aaggagggg	, aacgaataaa	gctctatccc	tggctacaag	tctacagtgt	tggaacgcat	425580
	, cagagegeae	- LC LC G E E C E G	Cattcccaact			425640
	ggaaaacagt	- valcacacci	Caaaccaacca	· +~+~~~~~		425700
	. ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Lucyaadelu	CLAACTOTAA			425760
	caagaaagcg	LLLCataacc	LUELCCAAGA	- acct ca aat c		425820
	. accedece	allygatota	atctatttac	· +~~=+~==~	attatas	425880
3333~~~	uugugcagaa	Lygalcaagg	CLAtaaaatt	accept cet a	2024-44-	425940
	acgggaacaa	yacaaccagg	aadagcaaaa		Cttssssss-	426000
-554664966	coccatcatt	COGCCCCCCC	LCCatchaac	Tactccctac	+a+a+	426060
	egeeeeeaac	Cydacadctt	CCEaaaaaca	C200022ttt	3 t a a t a - t	426120
	cagacaca	44CLCtaadc	COCATOCAAT	20111111		426180
-3	Luctuada	Ladacaactt	CLATITAAAA	tataaataan	*****	426240
	LLLLaaactt	LLLGCCEEEE	atttaaaaaa	++++=+~+~~	3000	426300
accegac	caucytaaat	ctaaccatge	tgatcagcag	CGAAAGCATG	CCCACGGGGG	426360
9000000000	caageteaaa	ggtctggacc	ttateacttt	tattotaatt	ataggaatte	426420
cigidagicc	Lygaaccgct	gctataattt	taggcattcc	totattattt	255255555	426480
ceecageage	CLLGGCLLLL	agrattette	Cotatttcc	cttaagagaa	CCF > > > > + + +	426540
cuatagege	aacycatcag	ccgacgccca	tcataaaaaa	tacadacett	cctcctataa	426600
- good cage	acceacted	gugeetacgg	aagctgtcch	adaadadccc	CCCCttt	426660
ccccagaac	Clattadata	cuguracaag	aaaattoooa	CCGtatacct	~~+ ~+ ~ · · ·	426720
- caacacaga	Latycelle	arcactacta	acaatcaaac	COURTESTANT	****	426780
warde cedaa	cergaciting	alcictacgt	Lagggcccat	tranameret	gagtat	426840
- coaaggcat	cyccacgact	guqaatqcaq	CCACCCCAAA	Catoggaaaa	2222222	426900
3	egcacicgcg	aaagcaacta	gratacacta	ttaaaaaat	*****	426960
occoggaccc	cecegetea	aaacagcccc	tacaattadd	agaatgccgc	teageanan	427020
gggaaaa ccc	adacyyaacc	acgaatgcag	gtaaagcagg	actaccccaa	ttotto	427080
	geegaaagee	lelyactata	actacaatcc	taatgatgcg	TTTDCCTTTT	427140
graggraage	ccaccitaac	rgilligaatg	aggccaagcg	CCCtaaaaca	accortagets	427200
age ce ce ce ce	geteteete	Catttccctg	gctctccaaa	agacgaagag	actactacto	427260
cacgecegea	aryyarigai	ggtgtgaagt	tagccttgat	agatgetete	Cadacattta	427320
gaccagaage	agadattaa	aatcaaccgt	gggttatcat	tttdacaact	Cttactacac	427380
accececae	Cacaccccaa	rereteece	tggttaagca	aaagagagta	gatgcctttt	427440
cgcgaaaagg	adaticctttc	ttaaaaaatg	gtaagacttc	tototttaaa	acatecasas	427500
cacagaagac	LLLLLdaaaa	accettecta	actttctaaa	ccacactata	Ctttctcaaa	427560
caaatayaaa	egeetetget	ctccataaga	caaagctttt	occaaataaa	Gaaaattota	427620
accuadayac	gatgeeegig	LCCTCagccc	CCCtacccac	aagccaccgc	ccttcctctc	427680
cascassass	cctcatggaa	ccaaattcca	aagctctaaa	agcaaagcat	caagataaaa	427740
taggataat	gattaaactt	ttagttaaaa	tccttgttgc	cattctagta	atagaagttt	427800
cagguacuac	cycaycttt	Litaticcig	ggactcctcc	catctdcttd	attatoctac	427860
taaacaaaac	tcttacaaca	gtactctgtg	tgettettet	tgttataaag	cttgcccttg	427920
Ctatttctta	cgaaggaaca	actgctgaac	agcagataaa	acgtaaactc	tcttctaaaa	427980
acctcataca	gacaaacagc	ggtgttttc	actcattata	aataaaatat	tttattccct	428040
actaattaca	aaatatgaga	gratacte	ctattttagt	aggagattaa	tttgtaaaac	428100
taggaaatca	ttgcatttaa	aacagaaaac	tataaaatta	tagggcttgt	catagaaata	428160
aaacaaagct	catgtcttct	ccagtagtca	caggaacatc	aagtgcatct	ccagttgaac	428220
cctttacaac	tggagaattc	ctagaaaggt	tatcgggatc	aggacgatgc	ataaaaattg	428280
tagccatgat	ttcaactgct	Dantata	tcaatacctt	tgtttctgga	atcgttgcta	428340
tettactete	Cttaatcett	acatetgteg	gagcctactt	tacagttata	gggcccttat	428400
catcacaaaa	cctaatcctt	tananttana	rgttaatctc	gatgtataaa	atcacgcatc	428460
cactectett	tacaccgatt	totatattata	aaaaagcgtt	cccaaagtac	gagccccaag	428520
aacagattcg	gggaactcct	gastagte	aaacttcggg	attcgttcta	cgaacacaaa	428580
tatgaaataa	agttccttac	tanantant	ctaaagcaaa	atctttatcc	ccttgataag	428640
cactcggcca	ttattttaat	tcatatatat	Ctctccatat	actctcttga	tggcctgaaa	428700
tgtaaaattg	tccaaggtcg	gcatocttag	ctgaaaattc	ctcttattga	ggtgaagttc	428760
tcggctttta	ataaatgtag taattgataa	aactotosss	tttt	tcagcttcaa	caaaattctc	428820
ctgccatcaa	taattgataa	CCCBBBBCCC	atacaet	LETTatgaca	ctcattaccc	428880
gcagtgacca	ttcctcgcga ctcaataaaa	acceates	tgagaaa	aataggcaac	ttatacatag	428940
gtacagtaga	gcaaatctac	getetagegg	aacataatea	tantatt	gacattgaca	429000
tacagggaat	caaggaagca	caageetete	aaaaaa++	cyacattgtc	agagtgactg	429060
ggttaaatat	Ccctttggtt	gcagatatco	acttotto	ayaacgtctg	attgctctag	429120
ctgattttgc	tgacaaggtt	cocatcaatc		Catagoagot	acgttagttg	429180
tcaaggggac	gaagatctat	acagagggaa	actatececa	aagtotost-	aggaacatgt	429240
aaaagtttgc	tcctttagta	gagaaatgta	agcgactace	caaggetate	cyccttgaag	429300
	<u> </u>		3	Jaungelatu	Cucallogan	129360

					rci/	1079/01970
tgaaccacgg	gtcactttcc	gaaagaatca	tgcaaaaata	tggcgacact	atcgaaggaa	429420
tggtagcctc	agcaattgaa	tatatcgctg	tatgtgaaaa	gctgaattat	agagatgttg	429480
tcttctcaat	gaaatctagc	aatccgaaga	tcatggtaac	tgcataccgc	caacttgcta	429540
aagacttaga	tgctagaggc	tggctctatc	cccttcacct	tggagttact	gaagetggaa	429600
tgggcgtgga	cgggatcata	aaatccgcag	taggaatcgg	aactcttctt	accassagas	429660
tcggggatac	catacgctgc	tctctcacag	ggtgtcccac	tacagaaatt	cctatctata	429720
atagettget	acgccatacg	aaaatctact	tagaccttcc	agaaaagaaa	aatccctttt	429780
ccctacaaca	ctccgaaaac	tttgtttctg	ctgcagagaa	gcctgcgaaa	acaacacttt	429840
ggggagacgt	ctacggagtc	tttttaaaac	tctatcctca	ccatcttacc	gactttactc	429900
ctgaagaact	cttagaacac	ttgggggtaa	atcccgtaac	aaaagaaaaa	gcattcacaa	429960
ciccigaagg	ggtcgtcgtt	cccctgagt	taaaagatgc	tcctattaca	gatgtacttc	430020
gagaacaccc	tragette	caccaccatc	aagtgccttg	cctatatgaa	cacaatgagg	430080
ccttcattca	tagecetget	gttcatcaag	ctccatttgt	gcattttcat	gcttcagacc	430140
agetagtatt	ttennagen	gatttctttg	aaaaacaagg	acaccaagga	aaaccgacca	430200
agetageace	teteettett	tttgacaata	aagaagaagc	tgctatttcc	atagcaacag	430260
ttcccctaca	agaggt cota	gatggccttg	gagaagctgt	ggttcttgac	ttaccgaacc	430320
ttotaaaaac	agacticata	aaaattgcct	ttggcactct	acaaaatgca	ggggtgcgcc	430380
aagtcaccac	agagtacate	tcctgtccta	tgtgtggtcg	gaccctcttt	gatcttgaag	430440
tagattatat	tataaataa	aagagaacgc	agcacctacc	aggacttaag	atcgctatca	430500
ccasascaca	Catcatccat	cctggagaaa	tggcagatgc	agattttgga	tttgtaggtt	430560
tggaagatgc	traaraaraa	ctttatgtaa	ttttagaaga	tgtaaaagct	cacataccca	430620
ctgaagaaac	taanttaaca	ttaattcgac	atcattaga	acatggggta	tggaaagacc	430680
gacttrogaa	daattcaata	gtatgactct	accetteeac	actcaccctc	tgaactattg	430740
taccaaaaac	acoutette	gtttgcctat	acyccacgya	gictittcaa	aacaaaagga	430800
gaagtatrgc	gacctrcatc	cagccaagaa	cactteeata	getteagete	tccaatctcc	430860
cccacctac	Caacctgcag	aacgccacgg acggactgtg	cacciccegta	cgttgtgtta	cacctacatc	430920
ccaccattcc	gattgccaag	cagctatctt	ttatgatga	assassassas	cictccatat	430980
tgtacacagc	gaatgacaag	gattgcttgg	caatatotat	gaacaccacy	taggtaga	431040
gaaaaaatta	tttcatacaa	aaccacaaga	tetettegta	actatogge	chtcontog	431100
tccagattat	gctatctatc	ccgattacgc	tacgttattt	cctcataact	ttetteeett	431160 431220
tatgaatccc	aaaaaccatt	ttgacctgcg	tacaattact	cocaaccaac	ttaccaattt	431220
aggaatetet	aaagaccgca	tttttatctc	agacctctgt	acctacacgg	aacacgacgc	431340
tttcttttct	tcaaggtacc	ttgctcacca	tcccgatccc	aatctcacag	gccaacattc	431400
aaaaaataga	aataatgtaa	ccgccgtcct	tctcctaccc	agagattaaa	aagatccagc	431460
caagcttctt	ttcctttccc	ctaaggacct	tagcttctag	aagaacatgc	ttcgttccaa	431520
cccactcaga	attcagtaat	cttcttgatg	aaaaacaaca	tgtaaactac	aatttttagg	431580
aaaaaattaa	gcttaaagac	tttctatgaa	attaggcgca	tcaactaatc	ataaagttca	431640
cgaaccagtg	aagccaaaaa	aagccaaact	cgctgagatt	gaagctanca	aaacccaagc	431700
tacagaaggc	acactcagaa	gtaaaagtct	tgctcttcaa	attgcgcgtg	ctgttcttta	431760
catacttttc	gctgcactaa	tgttagcagc	tggaatcacg	ttcgttacct	tcgaagcttt	431820
aggcttccct	ctaatacagg	cgtatagcat	tgctggtatt	atcacactcg	tgggattagc	431880
catcgggctc	gtgcttctca	tcttgagctt	gttgcctaaa	gaagacgagg	aagcagatgc	431940
actttctaga	aacgctcttc	ttccattaac	catcattgta	atcgagcaac	aacccatcac	432000
tcctaaacct	gagatcccct	attcttattt	aactaaacta	gccctattaa	catcattgtt	432060
ccttacctta	cgacgctctt	cctcccaaag	aaaaactcac	taaagaaatc	aaaattacag	432120
aagctacgaa	ttgtgaaatt	caccatctaa	agaagggtcc	ttaatttaag	gttgtcacag	432180
ctaaagctcc	taatctcaca	gaaattagag	atcacggggc	tcgcgtacct	tcgctattcc	432240
tcctttcacc	agaaacttcg	cattggaaag	gggataagga	agtctcggct	cccctaaagc	432300
aactgcaaga	tctcttagga	gaggaacagt	gggaagctat	gaaaactaaa	atgaactcta	432360
gaaaaaaagc	aggtcaatgg	gcaattttca	attctccaac	tcctggtgtc	agttcaactt	432420
tagttttagc	atggactcct	tggggttatt	acgacaagga	tgtacaagat	atcttagaaa	432480
gaaaagatee	gatgagetet	tcgctttctg	aaaaagactc	aaaggagttc	ttgaaaaatc	432540
tgtttgtaga	tetettagaa	aatggcttca	catcagtaca	tattcacgca	gaagaagctt	432600
ccactcctct	tgatcatacc	gggaaacctc	actttaaaag	agacaatgtg	tacttacccg	432660
aatttacatt	aggegeetig	aatgaggctg	cygtacaagc	caatgtaagt	gcggatactc	432720
aaaaaatctc	aaaaaaactat	caagatgagt	gcaarcerrr	catgataag	aaaagaggtt	432780
taatdaddccg	ggattctct	aaaagagcct ggccttcttt	cactttcac	cagagaaatt	acaagtcgag	432840
cccatcaata	agaccatcat	catagottaa	accontact	addadcccda	cagcctctt	432900
ttcattatca	agaacaacgg	ggcgcttttc	tatettatee	atccccases	teccen	432960
caggagatta	ataatoggag	tcgaaagtag	caatccatat	accectagad	taataattaa	433020
gaaacctcct	ccctcaagct	ccgctattgc	aagtaggcct	tcacgageee	caacaassa.~	433080 433140
atctgcgagt	ttctgctcaa	tctccccgtt	agaaagttta	togcaatogo	gtatcacag	433140
- 	_	-5-9		- 5 5 2090	,,ucayy	#33ZUU

						11598/01890
aaccacaagt	cctcgatcga	tacctacage	aatagaaatg	tcataatagt	gacggtaaca	433,260
accectege	Calcadiala	ggcgttcact	catagatata	ccttcaaagc	CtCtaacaca	433320
geeeccacaa	agaaayacat	adatcctaac	ttcaccccat	. atcgagatag	aaactcttct	433380
rgerecee	Licycaaaly	aaaaagaggt	gtcatataga	cctcattgaa	tatcatasas	433440
accycayact	CatyLadage	agacaaaaga	CGCCGCGaaa	ttgtcffacg	aatcgacgtc	433500
acgegeeee	gagullele	Legareteet	gcagaaagac	cttgggatcc	ttaatcasta	433560
egaceaegaa	gayyaataaa	cyttttattc	tctagaggag	actgacgcac	CCCadactes	433620
ggaaagcaaa	cyatticage	LLCLATAGEC	tctttagact	gagaatetee	aagctcttcc	433680
coccacceg	cgggccccac	LLLLCCCACE	accccccta	Caggaacaac	atcoccttct	433740
gaaacccccc	ayaaaattct	tcccgatact	ggggcataaa	tgagctgatt	taccttatca	433800
CCCCCaaccc	clagiaagcc	ctggttttct	tgaatcagag	caccetetet	aactaacaac	433860
gaagetatgg	teaceteget	aatcgactct	gcaatattag	gaatgcgtac	ttctgtagtc	433920
acaacccacc	LLaaagaaaa	gagggtttcc	atacacataa	ccagctcttg	acqactqact	433980
tegetgatee	agaagctgtg	gaactactcc	gaggacgtcc	tatatatage	agtttctcag	434040
yaayaatgtc	ttgcaacgcc	ataaacatat	agtcataggc	ccccatattc	ttggattctt	434100
crigiageca	aacaaaatgt	ttcaaatgag	aatacttatc	gataaggete	actagatect	434160
caayayctaa	aggatacaag	ctctctatac	gcaagcaaga	aaagtcctta	Caccaatett	434220
gaggaagcac	ticcigcataa	tcataataga	tctttcccga	acacaatacc	aaaatagaag	434280
catcataatt	aggatcggca	tettegagaa	tagcacggaa	tcccccaggt	tctgtgaact	434340
aaggaaaga	acttacacat	tgtggatatc	tcagcagcaa	cttaggagta	aagatcacca	434400
tagaaaaaa	aagatetete	ttagcatgct	ctctgagaat	ccgaaaatat	tgcacaggag	434460
ragatgaag	gaccacttga	aaattccagt	tcgcggctaa	ttgcaaataa	cgttctatac	434520
cagacyaaya	atgctcgggt	ccttggccct	catacccatg	gggaagaagc	agaacaatgt	434580
cagagtgtaa	atcccacttc	Lyaatteceg	aagagatata	ctgatcgaaa	atgatttgtg	434640
gagcatagc	aaaatcccca	aactgegett	cccataacac	taaagtcttt	aatgcctgtt	434700
ctacagagag	atactcaaac	cctaaaattg	catattcgga	aagaggagaa	ttatacattt	434760
tatcactcca	ctgctctgca	gaaagatggt	acaatggaga	graggtatct	ccagtcacag	434820
gtctcaggtt	taccaaatgt	attaatagg	argreeegeg	aatagaatct	tgacctgaga	434880
aatcataacc	gtaccetteg	totaccattt	testtette	taattetteg	gccatcgccc	434940
taggatgggg	aaccccacct atgaaaattg	tcagggaaac	23333333	cccaaaaga	gtcttaattt	435000
tctcgcgatc	caaagaaaca	tcacaatcat	acaaaataaa	cyayeteata	Lgaaaaagag	435060
cgcagtgatg	acattcttt	ttaggaaagg	attctagatc	catacattta	cccaagegat .	435120
actcacgatt	cagactctct	tgaatctctt	tttcaataga	taccasaatt	tetteren	435180
tatctgcaaa	ctgcccttcc	aacagatatt	gcctaaacag	ctccccaata	CtCttctttc	435240
tcttaatctg	atcatagagt	aagggagctg	ttactgaggg	atcotcactr	tcattatata	435300 435360
catacttgcg	ataacagcag	agatctatga	tcacatcaca	actaaatctc	tcacqaactt	435420
gcagagegta	ctctatagct	tctatacagg	caacgacgtc	ctcgctattc	actogaaata	435480
caggaatece	tagcatttta	gcaatatccg	tacaataagg	ggtggacctt	gactcccgtg	435540
gcactgcggt	aaaccctatg	taattattca	caacaatqtq	aagcgtaccc	tcagtagaat	435600
acccuggaac	acgactcagc	tggagagttt	cataaaccac	tecetgacea	gaaaatgetg	435660
catctccatg	aactaaaatt	gctaagctgc	tttgctcttt	acctgcgtga	ccttaatatt	435720
gcaaggcagc	cacgaccccc	tcgacaatag	gatctacaga	ttcgagatga	ctagcgtttg	435780
gcaacatcac	aaaggtagtt	tccctatctt	tctgatggga	ctttagcaca	taccctttat	435840
ggtacttac	atccccaaca	ctctctaaac	cacgtgctgc	aggategtet	tcasactcca	435900
taaagacata	acggtaaggc	tttcccaaaa	cattcgttaa	tacattcaaa	cgacctcgat	435960
gggccattcc	taaaacgtag	ttagaaattc	ctaatgccga	tccataatga	acaagatgct	436020
ccaacatggg	gaccaaggtc	tctccgccct	ctaaagaaaa	acgtttctga	cctgtaaatt	436080
ccaccigcaa	gaactcttca	aaaaacgttg	ctttacataa	gtctttatag	gagcgaagga	436140
actorage	aaagcgctcc	acttgtcgct	tctccataag	attccaaaca	aactcctgca	436200
Cttccatcac	acatgttagg	gtttctaaag	taagacttcc	gcaatagcat	ttttttaaag	436260
actcatccac	ctctcgtacc	gaaacctgag	ctttaggaag	tagaccegca	gaaggcacct	436320
Caadcattaa	atcaatctta	tagaaatata	cctgaatgaa	tcgagaatct	gtagttgggg	436380
gagattttgg	aatttgactt	ataggaatag	tataataacg	ataaatcgta	catagaaact	436440
Ctgatggaga	ttcttgaagc tgctgcttga	ccaacatag	accottes	agaaatctta	gtactagett	436500
CCaaagtete	gtgattcata	aatctctcat	acataman	aaaatacttc	caagaaggat	436560
aatatactto	cccacaaac	teggaatera	taaaatsate	yacccaatcc	atatccgaag	436620
aaatgtctgc	ttcatagcaa	atttttattt	ttcaaaaaaa	adactcaata	aacacgatct	436680
gcagttgaaa	aaacaaaaaa	atgctatgca	cctactataa	aadaattttt	gggaageett	436740
ggatgaaaaq	cgaacgtctt	aaaaaattag	aatcamaact	tcatcaccett	gygaaccctt	436800
tgcagttggg	tttagtgcca	aaaaaagaaa	ttagcaggga	ccaagaagaa	atcccastat	436860
tagaacataa	aatttacgaa	gaaaaagaac	gtctacaact	cctcaaagaa	aacoggagaga	436920 436980
ttgaagagta	cgtcacacca	cgacgcagtc	ccgcaaagac	tgtctaccct	gatggtccra	437040

gtatgtctga	tattgaattt	gtggaaccca	cagaaacaga	aattgatatc	gacccaggcg	437100
aaaccgtaga	actggaactc	accgatgaag	gacgtgaaga	tggggcagta	gaagtcgact	437160
attcccacga	agacgatgaa	gaccetttca	gcgatcgcaa	tcgctggaga	cgcggtggta	437220
tcattgatcc	cgatgctaat	gaatggtaag	gctcccctag	ctctttatat	tcatattccc	437280
ttctgcacaa	aaaaatgtcg	ctattgcagt	ttttatacaa	tcccctacaa	aagtgaatct	437340
·gtatcgctct	attgtaatgc	tgtaattcaa	gaggggctaa	gaaagctagc	ccccatccaa	437400
gagacgcatt	tcatagagac	tgtgttttt	ggagggggaa	caccttcatt	agtttctcct	437460
cttgatctta	agcgcatcct	caaagagcta	gccccccatg	cccgggaaat	tactttagag	437520
gccaaccccg	aaaatctcac	cgtaagctat	ctacgtcaac	tacaagagac	tccaataaat	437580
agaattagcg	ttggcgtaca	aaccttcgac	gactctatcc	tacageteet	Cogaagaaco	437640
cattcttcat	ctgcggcaat	cacagcactg	caagaatgcc	agaatcacgg	attctctaat	437700
ctttctatag	acctaatcta	cggactgccc	acacagtctt	tggagatatt	cctaagcgac	437760
ctacatcaag	ctctgactct	ccctatcact	cacatttctc	tatacaacct	cactatagat	437820
ccccacacct	ccttctataa	acaccgcaaa	attctagtcc	ccacaattgc	ccaagaagaa	437880
attctagctg	agatgagcct	ccttgctgaa	aatctcctac	tctcccaagg	gttccaacgc	437940
tatgaacttg	cttcatatgc	caagccagat	taccccgcaa	agcacaacct	ctattactog	438000
acagatcgcc	ctttcttagg	cttaggagtt	tcagcttcgc	aataccttca	Cadadaacaa	438060
tcaaaaaatt	atagtcatat	ttctcactat	ctacgtgctg	tacgtaagaa	tetecetace	438120
caagagacct	cagaaattct	cccaaaaaaa	gaacgaatca	aagaagcctt	agecetacaa	438180
ctccgactcc	ttgaaggagc	agacctcgcg	gagttcccct	ccacacttat	Ctccatgctt	438240
acgcaagatg	taaaattaca	aaacctattc	agtgtgcatg	gacaatgtct	taccetaaat	438300
agacagggc	gtctcttcca	cgatacaata	acadaadada	ttatqqqata	tteettetaa	
tccctgcgga	aggctaaaac	ctagactetg	CCCttcaac	tectastact	cccccccaa	438360
tcagagaact	cttaaaggta	aagctrottt	ctcaatcttt	stttttt	ccgggaaaca	438420
atottaaaaa	taccaagatg	tctccaaaga	tacattacca	200200000	cegegeeeee	438480
ctaatacqqa	cttcacaaag	aaccatagat	ttaccaacaa	acgacgacgc	clagaatggc	438540
acrtraatcr	ttggccaaca	accatagat	Cacquacaa	gacgaaagca	cataagatga	438600
tattatotao	atcataaaca	gctaatatat	ttagagata	CCAALLECE	tcagcacttt	438660
tracaateta	atcataaaca	ataatggata	coggacgtac	taagatacgt	ggaacttgta	438720
crassasacc	gttaagcacc	acaacyyata	ccggcaaata	aagtcctcca	tgtacagttt	438780
gcadadagcc	tatgataaag	cattactac	cycyataaga	agetegtact	gttcctacag	438840
gcaggccacc	tcctataact	totagasasas	cadattgttg	tacacgatgt	ctaagacctc	438900
taaaaattaa	gcgagtgcac	testessess	taatacteee	tgaaattgta	gacgcagaaa	438960
caaaaaccyc	tcgtaagatt	ccccyaggca	tecatageee	acgcaggacg	ttgccacaat	439020
caaaaacaay	aacaaggatg	citggtaaat	atagagattg	tgctacgatt	cgtgcagtac	439080
ggaacetete	tctagactga	ggataatttg	taaagagtaa	gaaaaaatac	cggaccgcaa	439140
acguicgugug	catcaaaatt	adagagtaac	agatetgeaa	gtctaagccc	tcatgaacag	439200
aggetaggat	ccattcctgc	gcaagtcctg	aaactctaga	aattgcataa	agcgcagaaa	439260
gagetaeate	aggacaccgt	cggggatagg	gattgatttc	catatctgat	gaaggcgatc	439320
Citgaticaa	ccattctaca	agcctactca	tagaactagg	atccgtagaa	tcaatgacaa	439380
cagetagate	tctttcactg	tgtggtaact	gtgatctttc	ggcatcttga	gaaagacctc	439440
ecctatette	tacatcctca	cccctattcg	caaccaagca	ttgctctcca	aaacgcaccg	439500
cccaagtaaa	agaaggacaa	cggatagaag	gcagaaaaac	accctcaaga	cccgaagaat	439560
acggcagtat	cgtggtgttc	tccgccctag	ttccccgaca	atccagagaa	ctaaagaagt	439620
ctccagaaac	acggtaatta	tggaccctaa	agtctccttg	aataaagacc	gtcggggaaa	439680
tccctacaac	aacaatacgt	ggactatgcc	tagattgcgt	taacgcctgt	tgtatataag	439740
gcgatgcatc	cccatagaaa	atcactagaa	actcacgatt	ctgattttca	ggagcagaga	439800
aaaactgttc	ccaaaccgtc	aaaagggcct	gacataaagg	atgatcgaga	gtaggaagag	439860
tacgacaagg	actgatgggc	caaggagaca	tgccgcttcc	atcgttatag	agaagacgaa	439920
cggcctctcc	ccgtacttca	ctaatataca	gcaattcctg	tacagcttct	tgatgcgttt	439980
gccaacttcc	atttacatag	agagtacgta	cctcagaatc	tgggggctca	ggatcctcat	440040
caccgccaca	aaggcaaacc	aactcataca	catccgaagc	cacagaagca	gatgaagaac	440100
ttctagggcc	tcctgcaatg	aagaccgaga	tatcttcagc	cgaagatgca	actgttgata	440160
cgtctagaga	aggaggagat	attgtaattc	tcgggatttg	gatatcggcg	ggaataggat	440220
ttggggatag	aggttccgtt	tcttcgagta	gtgttggtgg	tgaagatcga	gattctgtgg	440280
gtgctgtcat	caacgctcta	aacttatttg	gcaaagatta	taaaataagt	attgataaca	440340
cgcaatagag	gattacgatt	attttaaaaa	gacgcaaacc	tatgattatg	cgctatttag	440400
aatcatgcaa	cctttaattt	ttgcttatga	tcacaagaaa	aatatccccg	aagagcttac	440460
atgctaagaa	actcctgaca	atgataccgg	ggataaaaca	agctaagaaa	aaattaattc	440520
gggatgtgga	aaagaaatat	tgttgggact	ttggttatac	tttgcttcac	agaacctaag	440580
tcctcagtag	ttctccatga	ttgcacttgg	cgtgtgagaa	caagttcact	cgggcccgaa	440640
aggtcagagg	caacacaaag	ctccgcatag	gaaggtaaag	tatctagaag	agactcaaaa	440700
gtatagacgt	tacgataagg	agtttctata	catactgaag	tagatacctc	tttggaggtc	440760
gctgcctttt	ttatcgactt	tacacgttcc	ttaggacttt	gcgggaggta	tcccaaaaac	440820
gtaaagctct	gggaaggcaa	gcctgaaagc	atgagcgcta	acgttatcga	acagggacct	440880

~~~~~					.,	
tetaganta	gcacaggaat	ccccaaagca	cgtgcacgac	gcactaaact	cgctccagga	440940
cergeaatac	. ayyyaayacc	cgcatcagag	atcagtcccc	aatteteece	atattttaca	441000
acayyeteta	. yalaaaaatc	ccaagcctta	gagaaacaca	catotttact	aanaatanna	441060
agaggaaatt	Latyaactec	gggaattttc	cataaactta	gaaatgccct	acccccacca	441120
Caccccca	caattagtec	atctagtcta	tgaactaatt	ctcctataac	ausaaaaaa	441180
gicciacag	cacyggtacc	gagagtattg	ggaagaagat	ataaagtcac	addttaacca	441240
cccaaccac	Ladayittcc	acagctacta	taggatettq	gacattattt	ttaattaadd	441300
cecegeaca	aaacaaayaa	tttaaggett	ggtgtagtct	ctcctttcca	taaaggagga	441360
acacccggcg	LLLALLECE	ttcgatccct	cttcaatact	acgtaaacca	tagagagatt	441420
gggcacgaag	gaaaytaata	acccccaagg	gatetteace	atcotogagt	anaaaataca	441480
actgetggtg	accitctacc	ggatccctct	tcaatagaga	gtctcgaaat	ttccataggg	441540
aageetteete	LLLLLLgaca	acgagetett	taatatcaga	gtgatccaag	gacgttttct	441600
rgccaacaya	gcacagtagc	ttatcgaatt	cactgagaat	atcaggaaga	gaggttgaag	441660
caagegeacg	Caaaaacaaa	gatgccaatg	attgagagca	agaaatcccc	acacactcac	441720
ciccigcaa	caggaggcgt	atgatecttt	tctgacgatc	tacaaaccac	tcaccaaata	441780
aactcaaaga	aagagccgat	ggcaaggctt	ttgacagttc	tegaaageat	tettatttta	441840
cggcgaagac	Caaaatcgta	aggtgaggtt	gaggattccg	agcatagcgg	cttagaaatt	441900
cectagetge	Lagagggaat	ttctctgcat	gaataatccc	caaagtttca	tactettaaa	441960
agagtgtaaa	carcreages	caagacatga	gaattactaa	catgagtece	tgaccaccga	442020
gctctttgaa	gctctcagag	actaataatt	caatcagcgc	atctttatcg	tcttccaaaa	442080
cactccctat	aagagctata	gcgggcactt	tctctgcata	cacctaggaa	aartcatcaa	442140
aactcgttaa	ggatttttgc	ataggtagag	tcaaaaaagt	agtatectga	acctactata	
cgtattttcc	taccaactgt	acagcatgaa	OCCEGAAGAT	ctcactctat	acctactata	442200
aaccttaaaa	agaaaaacgg	gaaggaaacc	caatgtttcc	ctttcccatt	aaagcttttt	442260
ataatgcgaa	aatcacaaat	tatcgagaca	tcattttgat	canttonto	cacacyagea	442320
nagctgtacg	aacacggctt	ttagagccat	actitotoat	acctattana	cyccagecat	442380
gtttacaact	agatgtatgc	ttatogttr	ngtggcatgc	taaaggagaga	gaacagacac	442440
tcttaggaga	acctttagcc	actotactt	trotagetae	aggratus	getgeagett	442500
tgcgaaccgc	tctcttagct	gtagtcttct	ttactactac	ettttt	gcaacagtet	442560
cagcaacttt	cttaactgca	gacttettag	Caacagtett	accasatat	acacgtttag	442620
tagtcttctt	tgctactgtc	tttttaggag	caacagtett	acyaactgtt	ctcttagctg	442680
cggttttaca	aacagtagct	trtttaacco	tacatttaca	aactgcaggt	ttttttacag	442740
tccgtacage	tettgaaget	gtctttttac	cacycttage	the	ttagcagget	442800
ttattcccct	tcttgaagct	gteetteet	agetrete-	tttttgeget	ccaatcatct	442860
ctttaataaa	aattagacag	tttattttaa	accigateta	ccggcaggga	cgattgaaaa	442920
ataaataaat	aaaaatgact	tacttacaaa	aaaaactaaa	acaaaagtca	ttactaaaac	442980
gaacaccaaa	agaaagcaac	tattttggat	gactatttt	taagtaataa	agaatagaac	443040
tacctgcaat	acctgaagca	acceasage a	aacggtette	ttcttttca	tgatatgcag	443100
ataatgctgc	atcaagatgt	Cotacacat	tagtagatte	ttccaaaaat	ctctgcaaga	443160
cagaatgcaa	tgtaatagcc	tacttatta	Lacigectag	atttttcata	tcagcaatat	443220
Etteggetga	tgttttatca	acticitaa	ctagaggaag	tctccataac	ggctcggagg	443280
caacctcttc	cgcctctaaa	agatetteag	ctaaaacatc	gttattggaa	aagaaacctg	443340
gtgtcggttt	tcctagagag	actaccatag	ctcctgttag	agttgcaaaa	tctataatac	443400
Carcatoret	acaatatttt	tanageatatg	taatcgcatc	agcgaggata	agacgtccct	443460
ttttatagge	actacaaatc	tcaacagaaa	gccccgacat	tcctacatag	acatctccca	443520
atagga	ggcgccatcg	acagcattet	ctgtaagcag	gaatgatccc	cgtgacattt	443580
atotottott	testactor	caacgccgag	agaatcccga	ggactgtagc	cccacctgcc	443640
aageeeeee	tcatagtaag	catggattt	ccaggcttga	ggtctaaacc	tccagagtca	443700
Caaacaaa	ctttccctat	caagacggtg	tgatctttag	acttaggacg	tccttgataa	443760
attttatat	taaagtgtgg	acccacacaa	gaacccttgg	aaacagccaa	taggagtccc	443820
ttteeeses	tggcgatggc	atcttttccc	aagaccttag	tatcaatact	agggaactct	443880
ttererare	tcagagcaac	ctctgccaat	ttcttagggg	taatttcatc	agcattcctg	443940
gesteeres	ctcgagtgag	atatacgcct	tcgaaaatgg	cggcttcttt	cctaaagata	444000
gcatcegeea	ttttgggaac	gataccgata	accgtgactt	tagaaagagg	agtttcaaga	444060
ttacgateta	ccttattata	acgtgggtag	tcatagttta	atgacaaaat	tectgaggac	444120
aaccccacta	agaattcttc	ggcagaaagc	cgcaattcag	aaattgtagg	taaqatqata	444180
ttgactgtgg	aacactttgc	tttacgtaag	acacgagtta	gtgtcgcata	aatttaaaa	444240
acaacatcag	aggtgagctc	ttcattttc	cctaagccta	agaggacaat	gcgtttttcc	444300
ttagctttag	gactactata	aaggagttca	atctccccgg	tttttcctta	aaagttttct	444360
aaagcgggga	gatacgaggg	ttcaaactcg	gcttcaaaag	aagctgcatt	ttttgcatcc	444420
ttaaaatgcc	aaaagggcag	gactatagca	tctqccttaa	cacgattacg	cccagagget	444480
tgagcatgaa	ataaaaccac	aaactctcct	ttaatgacta	ggaattaaaa	aggaacatet	444540
tcacagacat	actgctgttc	ttgaccataa	ccagcataca	tatctttatc	tttaatacct	444600
tetgegteea	gtgcttcacc	ttcaaaccct	acggatacag	attcatatcc	cacttactas	444660
Lyallgeett	ctaaagatgg	ayaacggctq	ccttcattoc	aaccaaaaaa	actoaatttc	444720

adagaateta	cactaatcac	taaagaagaa	ttgcggtgaa	accatctttg	ctcatgtaac	444780
tetetacaga	gatatcgcca	gcaacaatga	ctcctgagcc	tttcttcaag	taaggaagca	444840
tcttatcata	gcgattgtgc	caaatattgc	atttgcacca	aacagtttca	tctttcattc	444900
caactcgagt	cttcactccc	agtctcagag	tgatcacacg	ttttcctttq	gaagtcattc	444960
gctcttcagg	atctgcccca	aggtaaccag	caaaatgccc	aaacatcata	agatageett	445020
·tagatttcta	ttttaatact	tctttaatta	atacatctta	agaacttctc	aaaacagatt	445080
caggacaaaa	acgagaagtc	aataaagtca	tttcttctct	aagaagagct	ttatcaatct	445140
tttaaattag	aaaaaagatg	tagtacttat	atgcttaatt	aagcacgaat	acctgtagga	445200
ggaggttgca	ttccaccacc	gccttgaggc	atttgtggca	ttgtatctac	agaaggttct	445260
ctaccagcac	aaatatcagc	acacacggta	caccacttaa	caacactttc	aataaaaaa	
tgagcaaatg	cttttagtaa	attcgtttca	gcatatttca	tatccaaaac	accaaccaac	445320
agaatgagct	gttccttagt	agcaacacct	actccacctc	cacccatata	geagegeatg	445380
atagateett	ctaataattt	ctcatataag	accedatte	tatesetet	accyccaage	445440
ccatctaaca	gaggagggta	Cacataaaca	gccaaccccc	-t-tyaytatt	accagggagt	445500
agagagaact	Caccatcaac	gacataaaga	cgaccagaat	gttetteata	agtaaggtga	445560
agagagaace	attetttage	aaataaaatg	cacgigitat	tctgatcaaa	agctacatcc	445620
gaggagaatat	actectage	aaaattttt	agattttcct	cagcattttg	cctgggacat	445680
gagggaatet	ccttgtaata	gattgttgtt	gtttcaagtt	accataagag	tgatttgtta	445740
gtaaacgatt	tcagaggctt	aaaatcaaaa	actcccttgt	atttctggcg	ccgttatgat	445800
atctgatcga	cgatggaaaa	agtttcttct	tatccctcag	ttcctttacc	tcttggggct	445860
tctaaaattt	ccccaaaccg	ctatcgattt	gctttatatg	cttcacaagc	taccgaagtc	445920
atccttgctt	taacagacga	aaattcagaa	gtcatagaag	tccctcttta	ccccgataca	445980
caccgcacgg	gtgcgatttg	gcatatagag	atcgagggta	tttctgatca	atcotcttat	446040
gcatttcgtg	ttcatgggcc	taaaaagcat	ggaatgcaat	actcttttaa	agaatatett	446100
gcagatccct	atgcgaagaa	tattcattcc	ccacagagtt	ttggttcgcg	aaagaaacag	446160
ggggattatg	cattttgtta	tttaaaggaa	gaaccatttc	Cttgggatgg	tgatcagcct	446220
ctgcatttgc	cgaaagaaga	gatgatcatc	tatgagatgc	atgracgtro	Cttcacacaa	446280
tcttcttcat	ctagggttca	tgctccggga	accttcctag	dagtacgtta	aaaataaaa	
catctgcata	agctgggaat	caacgctgtt	gaactcttac	ctatctttaa	attente	446340
actgcgcatc	Cttttagaaa	ttcgaaattc	certatetet	ccatttttga	griegargag	446400
cccctaaatt	tetttetee	ttaccaacat	tateettate	gcaattattg	gggttatget	446460
agtagagagt	ttaaaacttt	ttgccgacgt	ttacata	cctctgatee	ttgcgctcca	446520
gatgtgtgt	traatcatac	agtaaagacc	regeateaag	aaggtattga	ggtcattctt	446580
actoccacet	attatattt	gggcttgcaa	gggacgacet	getetttgee	ttggatagac	446640
accecgagee	attacatttt	agatgcacaa	ggtcacttta	caaattattc	aggctgtgga	446700
tagatagaag	acacaaaccy	cgccccacg	acccaacgga	ttctcgacat	cttacgttat	446760
agteetteag	gateteeset	cgatgggttc	cgatttgatc	ttgcttctgt	cttttctcgt	446820
tracttocca	gateteetet	acaattcgct	cetgtttag	aggcgatttc	ttttgatcct	446880
ccacccgcga	gcacaaayat	tatagctgag	ccttgggatg	ctggcggttt	gtatcaggtg	446940
ggctatttt	ttattatta	tccaagatgg	agtgaatgga	acggtccgta	tcgtgataac	447000
grgaaagcac	cicciaatgg	ggatcaaaat	ctcataggaa	cctttgcttc	tagaatttca	447060
ggateteaag	acatetatee	tcacggctcg	cctacaaatt	cgattaacta	tgtcagttgc	447120
catgatggtt	ttacgttatg	tgacactgtg	acttataacc	acaaacataa	tgaggctaac	447180
ggagaggata	accgtgacgg	cacagatgcg	aactacagct	acaatttcgg	aacggaaggg	447240
aaaacagaag	accctggcat	tcttgaagtt	cgtgaaagac	agttacgaaa	ttttttcctt	447300
actttgatgg	tctcgcaagg	cattccgatg	attcaatcag	gagatgagta	tgcccatacc	447360
gcggaaggca	ataacaaccg	ttgggctttg	gattcgaatg	cgaattactt	cctttgggat	447420
cagettaceg	caaagcctac	actgatgcac	tttctctgtg	atctcattgc	gtttcgaaaa	447480
aaatataaaa	cactttttaa	tcgaggcttt	ctttccaata	aggaaatcag	ttgggtagat	447540
gctątgggaa	atcccatgac	atggcgccct	ggaaatttct	tagcatttaa	aataaaatco	447600
ccaaaagcgc	atgtatatgt	tgcttttcac	gtgggagctc	aagaccaact	tgcgacctta	447660
cctaaagcct	ccagcaactt	tcttccttat	caaatagttg	ccgagagtca	gcaagggttt	447720
gtccctcaaa	atgtagcaac	gccgacagtg	tcgctacagc	cccataccac	gctaattgcg	447780
atcagccatg	cgaaagaggt	tacctgatct	ctccgtccag	ttcttcattc	caggatteta	447840
taactacaaa	atccacatcc	ttgtagaact	tctcaagaat	ctgacgtgca	ttgaatcett	447900
ctatagcaag	acgatctacg	ttggactgca	agageeettg	tocatchata	attaatcctt	447960
gagggctatc	cacaactaaa	cgagctgtcc	agtctatage	ctcttctaca	ccatagaact	448020
gcttggtcac	accaaatcct	gcataccctt	Cttctrcage	tttaacatoo	casasattt	
gaggatttct	tgcaaggagg	ttttcgtata	gaggggttgt	trotagasta	atocaaoaa	448080
atagagette	tttatctage	tcttcaaggt	acttateas	aadtagaacy	ttosastas	448140
cttcgattgt	aacttcotta	gaaaccatga	tacaataatt	atatttaa	tanacatat	448200
gggaaccttg	atactgaate	ccgttaaaaa	aaacacacac	actor actor	cyaacytata	448260
totttaaac=	ctagaateea	cogccuaaaa	ctccccc	agtgtcatct	acaggctcga	448320
daccacaca	acceptage	ggataaaatt tgaatcgctg	tatatata	yatcccttcg	catagagegt	448380
gataaggaco	tttaaattat	atgagagetg	taataataa	yacattatet	ccataaatgc	448440
rtttaggtro	aacdacadta	tectgettea	Casasatata	accagacaaa	aggacacgaa	448500
			udday catt	quacaccttt	actictdada	448560

atcctdadat	actcatacto				*	
teetteteet	actcatacto	aagaaaagac	ctaaaagtac	gtttttcaat	agtttcactg	448620
tottaccate	aaactcaata	agetetete	argretttt	: aaatggtcgt	aagcaagttg	448680
ataaacatct	ctgcctctgg	gagtetttt	gataaaacct	tttaaaatta	aaaacggttc	448740
2900003002	tcaagagttt	cyatatette	tcccacagct	accgataagg	ttttaattcc	448800
·caatcccaa	ccttggtagt	agicgatgat	tgtagtgaga	agtttgatat	caatttcatt	448860
acactttcat	tcatctatta	atagcatagc	caaagctttt	tctgctacgt	ccccattgat	448920
teatageeee	tctcggatct	gagcaaaatc	tctgacccaa	cgtagaagat	gatttgccag	448980
5-55-56-6	coccyyyacc	CCLLaucaar	EECEagtaat	acarsactat	~~~~	449040
guguada	. rgrgaggagc	ggactaaaat	CCCCCCCCaga	tettgateeg	actastaces	449100
goodgea	ccaaaagcaa	agegratice	taaaqqttcq	cttagcattc	ctdatcdadt	449160
carracter	actadagtga	aaggagcaag	atcgacacgg	accgagcgag	ctccaaatee	449220
rgaacccaca	graatatega	ctttgaaatc	ttccattqca	gaatacaggt	attecteage	449280
	acacyacyga	tctcatcgat	qaaaaacacg	teceettett	CCapactact	449340
cadadagece	aacaygteeg	agggtttgat	taactgaggc	cctdatdcca	202002000	449400
occeeacy	gryrayycaa	Cyatotoago	aagtgaggtt	ttccctaacc	ctacacat	449460
addadacaay	caatgteetg	gaacttctcc	tcgttgcaat	gctgcgcaaa	gaaatagatg	449520
	cccaaacgac	geegtecata	aaattcttct	aaccetttag	atcttaacaa	449580
adcattaaat	LULLEAUCCE	gatgcaagac	agctacttga	tacatcatat	300000000	449640
ccalcyctl	LLLCCCCagg	Eggattttat	atttttttga	aactctcatc	gataacgccc	449700
accagaccaca	cccggcacag	Lacacgagat	actatataga	agtacactar	ggacctcttc	449760
tttctatcaa	ggagagcagg	gccaaagtac	gagcactaga	acctctccat	Cattttcatt	
ttatgattta	aacttcctgt	ggtgatctag	atttctttc	tettaaaaca	Catalantin	449820
agatggcgaa	ctatttttaa	aaacattttc	Cactgagaag	ttaataataa	aaattatat	449880
gcttatcaat	aaggagatgt	taatctttt	atgaatccaa	raarttetta	tasser	449940
cgcatgaatg	cattcaagag	aaccaagatt	CttCtaCtat	aageteeta	LCaaggteet	450000
cctgaagttc	tccctaaaaa	taaggtttgc	ctttttccct	tagagtaaag	agcagaccta	450060
tctaggtttc	gtgataaaat	tgtagcettt	aggatagget	taggattate	taacattacc	450120
tcttttcaag	agataatcaa	agtctatctt	atacttaga	22-th-	atacaactgg	450180
taaattgaaa	aacagaatat	Cattaacaaa	gcaattton	adyllcccc	caaaaaccag	450240
agcataaaag	aacagaatat	Cattacaagaaa	gcaacccaa	actgttaagg	tttctaaatg	450300
tttgttaatg	aagataagtg	catalatara	acggeeetaa	atgccgatat	gatccatccc	450360
ctatcgagtt	gccaagtgaa	Cotacacta	gagacaggcg	aaaaacttat	aagttacggc	450420
tataactctc	atggttacga	Parates	tetegagaat	tcaaagtgtt	caccaatgtc	450480
gacgtctgta	ttgttgatcc	addatgcttt	actgaggata	tcttcatctc	tattactgat	450540
attectagea	ttgttcctcc	adattettet	getetagete	gtagcgttga	gtatttccga	450600
atcottage	atgtcttaac	aacgcgtata	ggaaagtcta	catatgcacg	ctgtggaatt.	450660
acceptacac	tcacaccttt	Lyagcetgaa	rgggaagggc	atgtgactat	agaaatttct	450720
tttgagtgta	cattgccagc	gaaaatttac	gctaatgaag	ggattgccca	ggtcttattc	450780
Caacaagggga	gtacgacctg	cgaggtttct	tatgcagaca	gaaaaggaaa	gtatcaaaag	450840
tagattagta	tcaccgtacc	ttgtgtctaa	agtttcagta	agaaaaaaa	actggggttt	450900
cagactacta	yaagaagtga	tgatcaaatc	ctggtgagta	atctttagca	tettaattee	450960
aggetteget	cargategeg	ctatccagga	gttacgtaca	gaagagetae	acttacasaa	451020
caaggicici	retttatgee	aagacattct	ttctgctcaa	gaaaagcagc	gtcaactcca	451080
accacacccg	Caacactggc	aagactccgc	tgctatagaa	getgetttaa	tecagegret	451140
gggtcttatt	CCLaaaggct	ataagaaact	ctatatata	CCaaagcaac	aatcacaaaa	451200
caaggactga	aaagagacca	tgattcctac	catottaato	ttcttcatta	tetettttae	451260
tttatgeteg	ggattcattt	cgttatctca	aattgctttg	ttttctttac	ctacqaqttt	451320
gatetegeae	tataageget	ctaaatctaa	gaaacagcag	cgagtagcta	CCCttcttct	451380
acatececae	cacctgctca	tcaccttaat	tttttgtgat	ateggaetga	atattoctat	451440
ccaaaactgt	refecate	tatttggaga	tgcagcttcg	tagtagttta	ctatagatat	451500
cecciagea	accactttga	tcttaggtga	gatteteet	aaagcagtag	CECEECCEE	451560
Laatacacag	attgctagtt	ccgtagcccc	tcttattctt	tatattacta	aaatcttcaa	451620
accectacte	cactggggta	tcgtaggaat	taattatgtg	gtccaatgga	ttttatccaa	451680
gcaacagact	gatatcatcc	aaccccaaga	gctgaaggaa	gtattgcaaa	attataaaa	451740
ccteggegta	grcaatcaag	aagaaagccq	tttactctat	ggttatcttt	ctcttagtga	451800
ttgtagtgtt	aaagagcgta	tgcagccacg	ccaggatatt	ttattttato	atatocasac	451860
cccccagag	aacctctatc	ttttatttc	taaacagcat	tactcacaaa	ttcctatata	451860 451920
Laacyataac	Ctccaaaacc	ttctgggcat	ttgcacagcg	cactatatta	ttttacatoa	
caagccactg	caatcttcgg	atgatetect	ccccttacta	aaaaaaaccat	attatata-	451980
agaaaccatc	tctgcaaaaa	tggctttatc	tcagatorca	gctgaagaca	aaaccet	452040
gatgatcatt	gatgaatacg	gatctattga	aggattgatc	actraarace	adaccctagg	452100
aattgttgct	ggagaaattg	tagaccagag	agataataaa	atactotata	accecttga	452160
agctgatgtt	attattgcct	caggaacttt	agaactccct	gagette	ccacctcagg	452220
tatcaaccta	ccgacgaaca	ataatattoo	gactatagge	anctantes	ayatcttcga	452280
cggaacgatt	ccgacaacag	gaatgaaact	ctcttooaat	aacttoottt	tagagcaaat	452340
-	2				uccaddratt	452400

•						
agacgctgct	ccgaatcgca	ttcgccgtgt	gtatataagg	aaattgtatg	actaattctg	452460
cretettetg	gataggagtc	aacattatct	gtattqtctt	acaaggattc	tattogatga	452520
tggaaatggc	ctgcgtgtca	tttaaccgtg	tacgattgca	atactateto	actaaadatc	452580
ataagaaagc	tcgctacatt	aatttcctga	ttcgccgccc	ctatcottta	tttggaacgg	452640
<u>tgatgttagg</u>	agtgaatatc	gctctacaag	tegggtetga	gtcctcaaga	aattoctato	452700
gagctttagg	aatcactcca	gattacgctc	ctttcactca	aatttttata	attataattt	452760
ttgcagaact	tctacctcta	acaatatcac	ggaagattcc	tgaaaaatta	gcactttggg	452820
gagcaccgat	tctctattat	tcccactata	ttttctatcc	tctgattcag	Ctcatagga	452880
gtctcactga	gggtctttac	tatcttctaa	atattaggaa	agaaaaattg	aactctacat	452940
taagtagaga	cgagttccaa	aaagctttag	agactcacca	tgaagaacaa	Catttcaata	453000
caattgctac	aaatattttc	tctttaagtg	cgacttgtgc	agatcaggta	toccaacett	453060
tagaacaggt	taccatgctt	ccttcttcta	Caaatottaa	agatttttac	Cocactataa	
aaaatacaga	tatcaacttt	attectotet	atcacaaggg	CCCSSSSSSC	attattaga	453120
ttgcccatcc	taaagacttt	gtcaataaag	ctcttgatga	acccctaatc	aataatataa	453180
actcgccttg	gtttatcact	gcaaaatcaa	aacttattca	tateeteaaa	aacaacccac	453240
acaaccqttc	gagtgttgct	gttgtcctca	atacttctag	tatecetata	gagttegag	453300
gtttaaatgc	aattttcaaa	atcttattca	acactacaga	cyaacctata	ggtattetta	453360
agaccatete	tgttattgaa	agaacgtttc	ctaccacaa	taccycleat	LLaaaaccca	453420
aagaactcga	tattcaattt	ccccaatatc	Ctgtcaactc	tegeataaaa	gatctgcaaa	453480
aactoctaga	cagteetgea	assatsaass	ctytayaaac	cccagcccaa	ttggtattgc	453540
aactgeeaga	cagtcctgca	tataaataa	Cttctgtaat	tatcaacaac	ttgcttttag	453600
agattetaga	gatgtcttta	ccigggataa	aaaccgtatc	gattaaaaac	ttactctcat	453660
cttaggaatt	ataagagtca	ggagtgttet	ttcagcttag	aaacatgttc	tcttttaaga	453720
cttattacaa	tttcaaacgt	tetaegaett	tttctataat	tccaacggct	ctttcaacat	453780
ccccctgcaa	gagaagatgg	ctaaaagaaa	acctgagtgt	tgccagggtc	aactcttcat	453840
caacacccat	gctgacaaga	gatttaaagg	gtgcggtagc	acctgaagag	catgcggatc	453900
cataaccaca	agccactcct	tctatatcta	aggcgatttg	caatacctca	ccttccaacg	453960
gagggaaagc	aattgctgag	acgttgtttg	cccgtggttg	atccgcacaa	tgaatatgga	454020
catcaggaat	gcgtgctttg	attgcctttt	caaaaccatt	tctatgggta	agaatttcct	454080
gagagatacg	ctcttgatga	agatctaggt	atttgaaaat	ataaagcaga	gaggcgattc	454140
cccaaagatt	ttctgtgcct	gcgcgcagcc	ctccttgctg	acctcctccc	cacagctgag	454200
gatgtagttt	gactcctgga	gagaccagaa	gagctccgat	tccagagagt	gcatgaaatt	454260
tatgtccact	gaatgctgcc	atagtgacac	cagagggaag	aactatcctc	tccttaccta	454320
catttgcagt	cgcatccaca	ataaattgca	attgtcgttc	ttgcgcgaag	tgggctatag	454380
cagctatatc	agctttggca	ccagtctcac	tattgaccca	acctaagatg	attgctgaag	454440
ttttaggagt	cacagetett	tcaatctgct	ctatagtaag	aacacatctc	ccttcttcqq	454500
gatttaaata	agaaacggaa	agcgaggaat	gttttaaagg	ctctaagatg	gcggggtgtt	454560
cgctacctga	ggtgataaca	tgactgtctt	tagggaggct	tgctattgct	aaatttaaac	454620
tctcagtagc	ccctgaggta	tagaggacac	ggccctgaaa	cgaaaggacc	ttttgcatcc	454680
agtgtgaagc	ttctagaacc	agttgacgag	attttttacc	taattgatgg	acqctcqaaq	454740
gattcgcgta	cgtcccttct	ataaggaagg	ttttttggag	aaattccaaa	agtcccctct	454800
ctgggggtgt	catcgcattg	ttatccaaat	agatcatqqa	atactatcct	tagcaaagga	454860
actattgtat	tcggactaat	acgacagtag	cattatcatc	gcctccacga	gtattgggta	454920
gagaaattaa	tgcattcccc	cgttcttcta	agataacaaa	ctggttcaag	atatcaccaa	454980
tatcgatatc	tggaaccatg	tttgtcaatc	catccgaaca	gaggcagtac	aaatcttcct	455040
tttcacaagg	aagattccga	atgtcaggca	tgacataggg	acqacttccc	aaaacattac	455100
tcagaatatg	gcgataagaa	tacaccttat	ctgattgttt	angaanceca	taaccatttt	455160
ttaattgatt	ttctaaagaa	tagtettega	taagggggg	cagttetece	tcaccaatac	455220
gataaattcg	actatctccc	acatgaaata	accatacect	atcetteege	aattggatge	455280
agctaagagt	ggttcccata	Coctogagat	gctcttccat	ttaaccatat	tartagaga	
caccattgac	ctctaaaagg	atcttttta	agetetectt	atactes	tcatagacca	455340
ccatcaattt	tgactgttgc	tcatcaatca	actactece	acactygica	ccccatacc	455400
aagcaatgtc	tccaccaaga	Cacccccss	getecataag	getagteact	gcctcttgag	455460
tgaggtttac	ctgccaaaaa	tottoattta	taccgucage	aatagcaacc	acttgagaca	455520
caaaataatc	aaaatccaca	aagtggtggt	Lagegegeae	cctaccaata	tcactcagac	455580
ccctataga	aaaatccaca cattctctaa	tttcatato	ttattata	rygatcacaa	atagagteeg	455640
aatcateett	tatemetaaa	ttaataataa	catacataaa	yaartgaatt	ttcctgacga	455700
taaataatco	tatcgctaaa	accetages	catgateget	aattacaaag	aaaaatttga	455760
aaaacattct	ccctagagct	atottatt	ggicaattaa	cctaaggatg	aataatgaaa	455820
cctcaataa	ctttactatt	CCCCCCCCCCC	gractgttag	cccctagtgg	rrgcgrccct	455880
raarttcact	ggttcaacta	tostosta	gttttaatca	caaactcatg	gtgttcctta	455940
aatcoasaas	aagaaccttt	anathana	tettatgatg	acaaagtaaa	aattgctata	456000
aaccyaayaa	ctgcctatgc	tantagaaaa	cagtagtatt	ctttttgcag	aggtagtcat	456060
gaagtggttt	attttttctg	cgalacteage	Lccagttgta	ttcctcccag	ggtgcacatt	456120
gattettada	gaaaaagtta	CCaaagttcc	ctcacaactt	tggtcagaat	ccctttctca	456180

gatataager	aatdadadtt	++>>>+				,
aaagtaaaaa	ctttcccagg	Cotagaatet	aatctctcaa	ttgcgaaagt	attgatctta	456300
ctatocoaaa	aatottoota	ttattgggat	tttgcaaaat	aagcaattta	aggacagtga	456360
gctgcactca	cttaggctct	tcaccagcac	cittaggact	tctatcccca	accetateca	456420
aaactaaagg	tataattaca	atactteete	totttett	gctatacact	tcagggagca agtcttgaac	456480
ctttaccttg	gaacctccaa	ggagaattta	cattleateg	cccaggaaag	agtcttgaac	456540
cggaaaaggt	cttcctgatc	aaggagacta	Ctyaagagat	cagcaaaagg	ttttatgctt cagttctatg	456600
ctccgattgc	gaatcgtcta	CCCGAAACAA	ttattgagga	gacagtetet	gcagaattca	456660
ttgttgctac	agaactgtta	Савсававая	Caccyayca	atttetteet	gcagaattca gattctgtaa	456720
cagcgtctgt	acgtgttcgc	gtttttgata	tecateatea	agcaggtgtc	gattctgtaa ctcatttatc	456780
aagagattat	cgaatqcaqc	Cagootttaa	ctaccctact	caaaacagct	catcgctatg	456840
gctggaactc	aaaacatttt	gattcaacgc	ccatagactt	2atgattat	categetatg	456900
gcgaagttgt	tgccagagtt	gagggctatg	tttgtgctaa	Ctactcatac	tctaaggaaa	456960
tgtccaagtt	tattcttctc	ttgtcccttg	acatcactac	tctacttgtag	cctaaggaaa	457020
ttatctggcc	agcaccctct	gggaaaacac	ctttaaantc	CCCCaacttt	tatttaat	457080
tgctcttctt	gtttttctt	cccttgtagc	tettagegra	acctcacaaa	catteggtgg	457140
actttccacc	atgacaggaa	ttagccttgc	ctttgcattt	ctattataca	tantet	457200
ccccaaggac	accacacgig	Ctatacttt	CtCtggagaa	adancedtta	222244	457260
gcgtgctcta	ggatctgcca	tcagaatgtg	gatcatcatc	atcccagtaa	adacttcatg	457320
tgggattatg	atgagtaaat	ttataacttt	gattetteet	acccagaga	ttanan	457380
agaagtcact	caagaagttc	agaactctct	gcctataaca	gracactaca	ttagatas	457440
tctaaattta	ggcgtcctca	ctccatttgg	agaagaggta	tttttagag	gaattctaca	457500
gacattcttg	aaaaacaaaa	tgacgcgcat	agetgeggta	Ctatectett	gaattetaca	457560
ctctttcatt	cacattgaac	actctttagg	aagttgggtc	ttttgtccc	GEGGEGEEE	457620
tttttccctt	atctgcaggg	tttctatatg	aaaaagatcg	gracattott	totocoutto	457680
cactgcacgg	gttgtttaac	ctcacctcat	toctatttt	gcacatteea	tananan	457740
aagttggaga	acattcttt	agcaaaagaa	aactctcctt	accortacta	caaaaagagt	457800
ctgacccgat	tcgcaggttc	cttctcttaa	aaggcccca	acttaccett	Ctttccagtc	457860
atatattctg	ttttttcaaa	agcaccatat	gcttaaaaat	agaccaaaac	ttcaactate	457920
tagattcatt	tttctctcgg	tgcttagcaa	gctcccaaag	acastcaacc	tottoanto	457980
agaccggctt	gtaatcttca	gcgaatatat	aaqqaqcacq	gcgacgcaat	ttttccatac	458040
cctcattggc	aacgtcttcg	gaagcaagta	caccetetea	ttctaacaga	aaacataaaa	458100 458160
ttagaactaa	agttaagaca	tccccggctt	cggaaccaac	Ctcttgtacc	atcttacett	458220
gcaagacggc	Clegigaaat	tcctgacact	ctccaagaat	atgetetace	atagagageta	458220
gggattgctg	aagtgaccaa	ggacaacgtc	cttcaactac	catggcacgg	acadtcccta	458340
ccaaccaya	aaaagcgtga	tctcgcatct	atactcctat	tgattctcta	Cacctcacat	458400
ccccgaggia	gattagcaaa	gcatctttaa	tetttttgtg	tcctgaagaa	aaagctaagt	458460
gatetatate	actcaaaaga	tgcaattccc	cgaactgagg	Cagagaagtg	actttaaaaa	458520
ccacaggaca	caaatgaacc	ttatgattag	taaacgcatg	ccactattet	ttaaddttac	458580
ccaagaatte	caaagggctt	tctaaagaaa	gctccatctt	cttagtaaat	ccttctatat	458640
ccigaagacc	tteetetggt	tcaacttcaa	tataaggaaa	ttcatataad	cctaccataa	458700
cccccagg	acgictitte	tcgacaacca	aagagccatc	gtacaataca	atcoctacca	458760
aacyatycaa	aaagatgacc	ttttttttgg	catgacgtac	Coocaataco	aactottta	458820
Leteeeteea	agctccacat	gcttgacgga	caggacaacg	atgacattga	ggaactttt	458880
cacagataca	agctcccaac	tctatcagag	cctcagctat	aacctcggga	CtCttataaa	458940
gaagaagcgc	ttgagcaatc	ctagaaaccc	aagtacqaqt	tgattctaag	tctatagaag	459000
ccccaccaa	aaatatccgg	ctaagaacac	gcaagacatt	gccatccaca	acaacaacaa	459060
geetettaaa	agcaaaggct	agaatagcat	gaaccgtata	aggaccaact	CCaccaattt	459120
gagctaagga	aarggcatca	tcagggatct	ttccatgaaa	ctcctccata	accatacasa	459180
cccccccaa	aagatggcgc	gctcgagaat	aataacccaa	teceteceat	aacttaates	459240
Catettette	ttttgctgca	gctaaagact	ctatogtagg	agatetetee	atccactcat	459300
caaaacaacc	tataacaact	tcagctcgcg	tttqctqtag	cataacttcc	72222EED	459360
cactataggg	agtcgggtta	tctctccaaq	gaagagat.cg	tttattttt	tcaaaccatt	459420
cecetaatge	Ciclacagga	aaattctttg	CCttttcaga	aaaagctatc	tttatastss	459480
adaatctctt	aaaattttat	gcaattatca	aatqataaaa	gaactacttt	202212111	459540
atggaaaatt	tttcctggct	tgccacacaa	gtctcaagat	tatettett	tettagatet	459600
caactgccta	atcatagcaa	gcaagaaatc	ttggcgtcta	ttcaccaaca	tratatas	459660
grgaacgggt	tcatagaaag	atttgaatcc	tacaaggtac	aacctggcga	ccatattt	459720
ctatetetga	tcccctcaac	aaaacaacaa	cctagcatic	tetaggagga	tgactataca	459780
attatctacg	aaaaacctcc	ccatcttact	actgaacaaa	tggcacacat	Gacacoct++	459840
tttactgtgc	ataggttaga	caaaggcacc	tetgaatate	ttctcatggg	aaagtetaaa	459900
caageggeta	ctgagctcat	gaaattgttc	aagcaaagaa	aaatccataa	acaatacata	459960
yetttegttt	ttggtcatcc	taaaaaaaa	tttggaaccg	taaaatctta	tacggccccc	460020

atcaaatccg	cttacaaatg	ggattgctgg	gtcatcctat	tgtcggagat	gtcgactacg	460140
gacctaaaga	acagectece	cagatettee	gccctctcct	ccatgctcac	tccctagaat	460200
ttatctcccc	attcacaaat	cttcccctaa	aaatttgtgc	gtcatcaacc	gaagatccta	460260
gagaatgtgc	tcggcactta	cttcaagaaa	aacccctaga	actttacaat	tagagattca	460320
taaaactgta	attggagtcg	tttacactgc	ttcaaaacat	aacctcctct	tcttcatctt	460380
ctaaatcccg	cctttctacc	cttccggggt	gcgacctagg	agaaatcaca	cttaaaggta	460440
aaactacagg	aaaacgccct	ctagaagaca	caggggaacg	ctctctagca	cctaataaag	460500
aaggttgaga	cgtaaccaca	ggatctggtt	gaggttgcgg	atgtgccgtg	actccagaag	460560
granggarac	agggggggt	tgtaaattta	gtcccgccgt	atgcatcaat	gaagttgaca	460620
tectgrageag	gcacttatct	ctttcttgaa	cattgttagc	atcgcttaac	aaacttgttt	460680
ctcccctca	attctcaaaa	categigeag	ctaattctaa	atagegtgae	gaggaagatt	460740
tracttetra	cttcctttcc	agategacae	gcatgcccat	ccccgagcc	aaaatagcat	460800
aacattcata	attacctaaa	acguigecae	gttggggate	tcctgtggct	gggacaaaat	460860
aaatcggagt	gtgagataaa gcttcctcca	ttaataacta	Caacyccat	cagattttct	reggegatee	460920
aggatgcaga	caactggatt	cccatattct	cacacacatt	agacattaat	agatteatge	460980
taagtgatgg	gaaagacata	catateetet	ctaggttaaa	aggactacaa	gagaagacct	461040
cttactctcc	ccatgaagaa	agaaccatca	ctttacttc	acactcgaat	Ecception	461100
gaagagaaga	cttagcaatc	cctgaggcaa	ttgctgtact	ccaaaaaaaa	tcctgtttata	461160 461220
aaccatccac	acaactcgcc	gcatccgccc	acagatccat	gctttgagac	ttcaacatct	461280
cacaaaagtc	catagaacac	cggtcacatg	cagccatgac	ctccgcgatt	ggaggaaatc	461340
cctcgagtcg	atgtcctgat	aataagctca	tggtatcaat	gccaagetea	cttaacccaa	461400
ttaaaagaac	agccttgcca	tatttctgtt	ctaaagcctc	gagttcttat	aaaaggatta	461460
cgggttcttg	ggatccctct	cctatcccgc	aacaatttt	ccatacacca	cagaaaaaac	461520
ggccaaatcc	tccacaaccg	cactgtccgt	ctggacagcc	acaggtagga	caaccgcagt	461580
tgccttggca	ggtctctcca	caataattat	aacaaaattc	gctagttttc	tttqctccaq	461640
gacttgttac	tgctgcataa	atgatctgtg	ccaacgatgc	agctgtccct	aaaggatttg	461700
ctgctgcaga	tcctgttgcc	gataacaaat	tcaacagtac	cgaagcggcc	tgtcctgcct	461760
gagttccacc	acttcctcct	tgagacgtag	tcatctggct	caccaagcta	aggagttgct	461820
gtaattgctc	tgaactcacg	gacgatccgc	cacttcctgt	tgtcttgtct	aagataagtt	461880
gcaaaagctg	ttgctgcata	cttgcactgg	aagaggaggc	tcccgaagtt	cctgctgaag	461940
ttgatggttg	tcccactgat	ggttgtccca	catttaataa	attagtaagc	aacgcttgca	462000
cttgatcagg	tgaaagtcct	aatgcagagg	ctccggatgc	ggtagtagtt	gtcgctgtag	462060
aggaggcagc	tcctccggtt	tgaagaaaac	cttgaactgc	agatgagact	gcttgtggtg	462120
ttgtggaaga	aggcgctatc	gtaacaacct	gtggattctg	tggtgagggg	aatttcccta	462180
aaggattcgt	caaacaacct	cctaagtaat	cagtgaaacc	caaactacga	taagttcgga	462240
tegtaaatte	ttttgaaaat	ttttttagca	gtacgcggga	gtgagaagtt	tggatattct	462300
ataaaatatg	taaagaaaaa	aatttaaaga	atttacgttt	ctatttacat	tggaggcagg	462360
teesstage	ttgaggcacc	aaaaggtttt	cttaataatc	gaaagatttg	ttactctcct	462420
taggatttgt	ttcaaaagta	raaggcggat	tcatgctaaa	gattgatcta	acaggaaagg	462480
	tgcgggcatt					462540
	aggagctacg ggaattagga					462600
tagagattgc	taagatctat	cccatagaca	caactttta	taggettaa	ggcactctct	462660
aagatattgc	tgaaaataaa	cattacaaga	gcattacgg	attraccata	teagaagtee	462720 462780
cagaacaggt	aaaaaaagat	tttggtcata	ttgacattct	tatccactca	ctagaagteg	462840
gtcctgaaat	ttctaagtct	ctattagaaa	catcaagaaa	aggttactta	acaactatca	462900
gtgcctctag	ttattcttt	gttagccttc	tctctcactt	togaagtato	atgaaccgtg	462960
gtggatcgac	aatatcgctc	acctatttqq	cttctatgcg	cactatteet	ggatacggag	463020
ggggcatgag	ttcggcaaaa	gcagctttgg	aaagtgacac	caaaactctt	gcttgggaag	463080
cgggacgccg	ttggggcata	cgtgtcaata	ccatctctcc	aggaccttta	acaaaccaaa	463140
ctggaaaagc	aattggtttt	attgaaagaa	tggtagacta	ttaccaagag	tgggcgccta	463200
ttcccgaggc	tatgaatgcc	gagcaggtgg	gtgccgttgc	agctttctta	gcatcacctc	463260
tagcttcagc	aattactggt	gagaccttat	acgtagatca	cggagccaat	gtgatgggaa	463320
ttggtcctga	gatgttccct	aaagactcat	aaggtcgtca	taatagcgga	caccagette	463380
ccaagctgaa	agaatgccat	tcttatctgc	tgggggagct	agaaagtccg	catgaacgtg	463440
catctcttca	ggtgcggaac	tcatcacaat	tttaaaatct	cctctctcaa	taagatcgag	463500
atcattagca	tcatctcctg	aagccatgac	aaagggtttc	tttccatcat	aaagtatatt	463560
gacaacacga	tctaaggctt	tgcctttaga	gacgctttta	tctgttaaaa	acaagatggc	463620
atagcgaaag	tcaaagggcc	agcgcattaa	cgtcatcgtc	gcgactgaag	tcagtgcttc	463680
ttggcgttcc	agctcctttt	gaattctgat	gacctcatct	cgcagtccaa	agacttttgc	463740
	ctaggaaaag					463800
LCTTCCTTA	gcattaggaa	agtacctagg	atctacatat	tcgtgtaaat	cttgagctat	463860
					~~~~~	4 ( 2 0 2 0

5

	•						
	aagagccgtt	gcccctcca	tacaatcttg	taaaatacat	aataaatctg	agggtaaact	463980
		agaagattty	algalgilga	agaccataca	Caaccaccat	+++	464040
	caacaaacac	ggagcaccaa	aatcagaaaa	caagcgtgca	gcatatttat	22t2cattcc	464100
	og coaagaaa	. aacaacttcc	aaccagcttg	qtqcaqcqca	Lagagecoct	Cathonnott	464160
	tttatttaaa	Lyalyayalt	. gatgggtaat	. tataccatca	atateagtes	n+	464220
	coccacagea	ccaccatage	tttattaagc	gctaccaaaa	aatttctcar	CCaacttcaa	464280
		geatecateg	acayacigct	gtcatttat	Ctatgaaaga	Caagagetta	464340
	ggctctgtgg	aacyaycaca	ccctagaagg	gtataaagga	atctataaat	tacccanate	464400
	acceagggga	gululudaga	ggtacttgc	aggaatatac	atrattacon	++++	464460
	acciggaaat	callylacta	taatttatat	agcatcgact	aaaactatac	ttcattatta	464520
•	ceegeacgea	gilygalaca	aatcgggcta	ccactataat	tttatagaga	tastasasas	464580
	cccacacac	gillitaat	CTTTTTTCTT	tagtttttaa	gctttctgat	gaggttggtg	464640
	ccgcagaaac	gatecaagag	cccatttctg	tacatgaaat	gttcccagga	accatosast	464700
	cagaaatgtt	taaaatgcta	ggatetttga	ttctacttt	aacaattttt	gactttagaa	464760
	trigggigt	Ladadagttt	gtgagatcaa	gaagtcacgg	ttttggaggg	tcatatana	464820
	CCaaaacccc	ayaacgacgt	tccctaacgc	cgaaaacttc	tatttacctc	attemantem	464880
	cguacaaaac	Lectytyatt	gcagaaacac	caqaaaaaat	tacgctactg	acadadttta	464940
	ccccyacac	Lyalalcaat	catctacttc	aagaaaataa	taagcagtet	tetteetet	465000
	caaccaccaga	Culture	aaagcaatac	aaaagataca	aaaaaaacaa	Cacaccaatc	465060
	aayattagat	ctagtattat	cagccagcaa	tgatgcaggc	tetaggaaca	acttggagta	465120
	cccccaaac	gacgacatgg	acattaaatc	aaaataatct	cacaaaattt	Cttaaaagre	465180
	cygacyaaya	accelecta	gaaagagaaa	gcggtcttac	ttacattaac	atteaageta	465240
	arggcaarga	actcccttta	ttttttgtaa	tccqcaqtqa	gggagaaata	Ctacaattaa	465300
	ccegccaccc	Lectractaa	Ligitatgaat	Ctcataaggc	atcaacacct	Catttages	465360
	acciciçada	Lagggacatt	gatattcccg	gctttggcat	ggatgaagaa	Caddaattaa	465420
	caccetateg	gettgtgttg	cccugcctaa	acggagaaat	tcatgacaca	Chatracada	465480
	tatatatega	Lacaataaag	ctagtctgtg	atagttttc	tcatgctatt	gggttgatct	465540
	ccccgggaa	tatgaatttg	gatgaactaa	gacgtcaggc	tetteaagag	Caacaagaaa	465600
	aacytaatga	gragreaaac	tatggatgtt	cttattttct	atgatacgga	Gaccacagga	465660
	acacaacag	aaagagatcg	cattatagaa	attgctgcct	acaatagtgt	Cacadataaa	465720
	LCCLCLCCLCa	cttatgtgaa	tccggaaatt	cccattcctg	atgaggcatc	Caaaattcat	465780
	ggaattatta	cggatgcggt	actttctgct	cccaaatttc	ctgaagccta	Cdadddattt	465840
	aygaaatttt	gcggagagga	cagcatctta	gtggctcata	ataatgacgg	ttttgatttc	465900
	cccccacccg	gtaaggaatg	tcgcagacat	tccttagagc	CtCtgacaaa	CCCtacaata	465960
	gactetetaa	aatgggcaca	aaaatatcgc	cccgatctac	caaaacataa	tttacaatac	466020
	ccaagacaag	tttacggttt	tgctgaaaat	caagcacacc	gagetetaga	tgacgtagtg	466080
	acaccycaca	aggtatttac	ttctttaatc	ggtgatttac	CCCCCCacca	agreetegae	466140
	regergeaac	agagctatca	cccgaaagtc	ttcaaaatgc	Cttttggcaa	atacaaaddd	466200
	cagectettg	Lggatattcc	taagtettae	ttcgaatggc	tggaaaacca	aggagettta	466260
	gataageetg	aaaataaaga	catcaaagcc	gctatagctc	tattacatca	accdacatos	466320
	racigacige	rgccttttct	ccttgcccga	atgatatttt	cctttttcar	tettettaa	466380
	aagaccccca	attcaggcct	cttcttaacc	aggtaacaat	tgcggatatt	gaaactttga	466440
	acaccctage	tctgcagcga	cggctctccc	taatgaaaat	greageageg	CtCttCCCtc	466500
	Lagittetga	ttattataat	Cttatggacg	taggaaatac	Cttaggatac	aacacccctc	466560
,	ctategreer	ctccttagat	cctgaatqtt	ctctagatac	cttagcaact	cctggagaga	466620
	cyacaaccyc	tcatgctctc	tgtaaacttt	actatcccaa	ggcaaaactc	attcccatcc	466680
•	cttatgacaa	aattctatcc	gcgatactgc	aagggaaagt	cgatggaggg	actetastta	466740
	argaagagcg	cttcagctac	gatetecaat	tgacattgcg	aacaaacttt	GG2G2G6+++	466800
1	ggcgccgcaa	gaccatctt	ccccttcctt	taggatgttt	agccattgcg	aaatatotto	466860
	ccacygctac	agiggaiget	ccaacagcag	cattaagaaa	gtctttaatt	tactccctan	466920
. 1	aayattttat	aactgcggga	gcaaaagcag	tagaatactc	taaaaataaa	aacotoacco	466980
	cyactcatag	attcatagga	acctatatca	acaaagaaac	ctttcaacta	tctaaaacto	467040
	ggaaaaaagc	tttacatatg	ctctggaagg	ccaatgaatg	ctgtcaatac	acctaaaaaa	467100
4	accettegea	ttgttgcaga	Ctatagagaa	atttctcctc	taattgaaca	2000000000	467160
-	acacagatca	acgagcatct	ctatagttat	cattatacta	actaccater	adatetetat	467220
•	actigiccatg	tttggggaag	tacagecatt	ttaaatgete	ttcaaagcta	ttaccasass	467280
-	Lacacagatt	acgatetgtg	gatcaatcca	aattttataa	gaggatatte	tcccgagatt	467340
•	ctttaggte	aatgttacac	tattgagaaa	attocaaacc	tcactacaga	tacacctoct	467400
•	griciciti	aagateceee	ttatatcttt	gacgetetae	cggattctct	acctaaaaaa	467460
,	celetggtta	cctctccagt	attgtaccat	tatgggtttc	aataagacgt	ttasacttat	467520
•	rttctcssc-	aggeratget	aatagcctca	caagcagcag	aacatcacat	cccctgttct	467580
1	LLLCLCaaga	tcacttctga	ttatactqtt	ccaggagact	atcecttead	Cacatte	467640
•	saggraceae	aaaayccaac	tcagacactt	gtagagttgt	tggcctgagc	tcatggagag	467700

	coctettata	40 40 m An An An				
ggaacaaage	ccctgttata	ttatttagtc	cctgagagct	cccacatttt	taaaaattca	467820
tagaggagg	gtaagagttc	ttannana	ccttcggcaa	ttttttgacc	attttctatg	467880
cactotoct	gatctacatg	cccaagagtg	gtcagcttat	gggcaataat	gatttgtgtg	467940
actaacatto	taagetetee	aatgatatto	ttaatgtaat	tttcactaat	ggcatctaga	468000
googaogoog	cctcatctaa	testangary	gaggcgttt	tcaacagagc	acgtgctatt	468060
actcctttac	getgetgtee	aataaaataa	ttcttcccag	attettegag	cacgctatgg	468120
acadectect	ggagetttaa	adtadacted	tcagcgtagg	cacgttttag	agcttctaaa	468180
aagaaaggat	cctccatatc	acagggaata	graaggreat	tccatacagt	atsatagaat	468240
gtaataggaa	tctgtaatac	acaggegatg	tgatteetta	aggaccettt	gttatattcc	468300
aatttaacaa	gagagtcgat	tocagatoot	ccccgggaga	cttegtagag	cctaggaagt	468360
ttatgtaagg	gtgttgtttt taaagcttag	atttttaag	graggreeta	caatgcctag	agettegeet	468420
acattetega	atgtgattgt	attagaaagt	CCaaccaact	ccccccgata	geegaaggaa	468480
ctatgaagat	cggggtgatt	caagacttca	taaaatctct	cgatttetet	cccccccga	468540
atgatggagg	tatnttcatc	cccgaacttc	traatagggt	catacattac	ataggere	468600
ccacaaaata	cgataagttc	ttcgggagga	atagcaaatt	tataaattoo	grayaycaaa	468660
acaaaagcaa	aaaataaaga	agctatogta	tacagaaaaa	atcatagaaa	caaacgacg	468720
gcagcacttt	tctcctctaa	agcagaaatc	trattottat	actcacaata	ttttatana	468780
gcaaattttt	ctgtacgaaa	gacttttact	gtcataaccc	Caccaacaaa	atcatagag	468840
acggaggaaa	atgaatcctg	actcttttga	atacatttta	Ctagatttt	accacaaaya	468900
gcgatcacga	caatgggaag	gataaagata	ggaaagggaa	Cacaaataac	gatternana	468960
ttccatgaaa	tcgacagaca	gactcccaat	gtcaatatga	aggtaattag	gacttanata	469020
tagttaatca	ttaaagagtt	tactoctago	gcaatgcttg	cagaatctgt	catgacaga	469080
ttacttaaat	taccgatatc	atgatcatgg	aagaaggtca	tagagaatta	ttatagagaga	469140
ttaaagtagt	cctgacgtaa	atctcaactt	accogtatag	caacgacttg	CCCaagggcc	469200
cgttggaaaa	ataaggtgac	tgctttaaaa	atagcaacgc	agattaagaa	gattaccaar	469260
cctcgaaagc	ggctcacatc	gatgtagtta	cggacaaact	tagagagett	acteateage	469320 469380
gaggctgtgc	ttttcccatg	ttcggcgatg	tatgtcgtgg	catcagagac	tataaatata	469440
tctgaatcct	tactaattgc	ctgccaattc	tctaaaatat	ctttctgact	tagttctgaa	469500
acctttacaa	gttttccaga	ttccttacgt	ccaaaaagta	aaaaggcgtc	agaactatt	469560
ttagcaatca	tccctaaaga	aaaaatctcc	atctgagatg	aaaaggtaag	tcctaaaatt	469620
gcgagtagag	aacagcctaa	tataacgaga	tgatttttat	gcctcaggac	cactttcaga	469680
agtagtttca	taaagaccta	tagagcgaaa	tttttcgtac	cgtttctcca	acagetette	469740
tatagctaga	tcttttaatc	gtaaccactc	ttggatgata	aactctcgaa	cattoctata	469800
taccaatgca	ggatcgtggt	gageteecee	aatgggctct	ttgataacag	tatcgataat	469860
gccaaattgt	tttaagtttt	ctccatgcat	tttcaacatg	gaagctgctt	cgctattttt	469920
cttaggatct	ttccaaagaa	tggaggcgca	tccttctggg	gaaattacag	aataatagga	469980
atgctctaac	atagctacag	aatcacctac	agccatgccc	aaagctccac	ctgaacatcc	470040
ctcaccgata	acgacaataa	tcacgggagt	ggcaagtctt	gagagctcaa	aaagattttt	470100
ggcaattgcc	catccttgtc	ctctctcttc	agcagtcaat	ccaggatatg	ctcctagaat	470160
atcgacaaga	aagaccacag	gcaagccaaa	cttttcagcg	agttttccta	agcgaagggc	470220
ttttctgaaa	ccctcgggac	ataacatacc	gaagttccta	tgaaggcgtg	acgctgtatc	470280
gcatcccttt	tcttggccaa	taaggacaaa	acgctgaccc	tggattttta	caaagccacc	470340
aacaactgcg	ggatcatctc	ggaaggtgcg	atctccacaa	agctcgacaa	actcctcaca	470400
catcccttca	atatagttga	cagtacgggg	acgcgaaggg	tggcgacata	tttgtacacg	470460
ctcccaagga	gtcaaatccg	aatagatctt	ttcttttaat	ttatctaaac	gcttttccaa	470520
tttctgaatc	tctgaagaag	ataagagaga	atttttctta	tttttttctt	taaattcggc	470580
tatageettt	tcatattcaa	ctacttgttt	ttcgtgtgga	agaagttcca	ttagaatgtg	470640
ctctcctcgt	ataaaaagaa	tcattttaat	acaaacaatt	cttaaacaca	attacagacc	470700
caaaattaat	tcatcttcgt	aaagaatctt	cctttctcag	aggtcacttt	tttttcaaaa	470760
attaacatga	cgccctcttc	tttgtaagga	atattaatca	aaaagtctgc	attccaaaat	470820
contestinge	cttgcaaagc	aaaaatttcc	atatagggac	ttgcagaaac	aatgttgatt	470880
gegeeattet	ccccaagaat	cataatgtcg	tttccgggac	ctttataaga	atctagggaa	470940
aggagegea	agcgagggcc	greadcaacc	rgacaattct	tccccttaca	gaaaatagaa	471000
atactcatgg	cagaggtggc	ccagccaac	gcagcgtgca	cgcgatattg	cttgtcggaa	471060
orayryater oratttetee	tacagcggat	toctotate	acacaggaat	ctcgaaggta	ggaaaatccc	471120
ganttttaaa	gatgaggett	tttaggag	gryayaaaag	aaatctctgt	agtttggtga	471180
atateteeaa	acacgaactc	ataagggatt	acacaacatc	caaaataata	acaatcacta	471240
aagctacttt	agcaaggtcc	acconnectant	acaccgacat	cccctgagga	atacgctccc	471300
cagaaccct=	gacatectga	ctcaacactc	tattoto	aagaacgcgt	tctttgcatc	471360
aagagaaaaca	gtgcaggatc attggctaag	acttotott	tetttt	gaatttgcat	tcctaattgg	471420
Cadadadada	gaaagacgct	cccttaata2	tcaaacactc	cctattana	atasata	471480
2-2-5-55	2			tatata	aryactcatt	471540
					_	•

						/1B76/01670
aattccgcat	gttctgcago	, ataaggtaat	cctttccaac	gaaatcccc	acaagaaaac	471660
	, occorracy	g cac Lucitui	. acarraaas	3 200ttaa		471720
	- ~55~~~~~~	· aqualauacc	CCCCCCACCS			471780
	, 33000000000	. yaytacadac	COCCEPAAFA			471840
		· accadact	uaarrere	T 2020++0+-+		471900
. 33	- 900900000	Lattacucac	aarrraarca	· ~~~~~~		471960
	· oanaaaccag	agucaaquuu	UUCAAAAAA	· ~~~+~+~~~		472020
	. gaccacaaga	accaadaato	CEEATECCC	· //*******		472020
	. ggagtaaatt	LLacaucucu	ECTAGCAGGA	atatasata		472140
	· ccacgeceta	- CCLELGGEE	- ECTTTCTact	30ttaaaaaa	~~~~~	472200
	. agacegeeac	- ULLLaaccaa	gacarcaatc	· コナナナトニャート		472260
	. cycacycyat	Laggatgaat	tttataater	tatasastas	tactontes	472320
	geomeggeng	acactaga	Caatgcctcc	*	000500	472320
35-5-5-5	caaccycaaa	Laalaaactt	LEGAAGECEA	200000000000	24	472440
	caagacattt	LLLaaaaaat	gogoaatoac	tataaaccat	2400254224	472500
5 - 5 a a c a a c	acaccccag	aacctagaaa	aatcattccc	acatottoac		
uaaaccgc	cagegegeat	Ctaacacgtq	acttettaa	totaacttoo	taaaataata	472560
2	ceeegeagee	Caycaggata	gagcggttgc	Ctcctaagca	~~~~~~	472620
- Jacobarace	gcattgagga	cyatttttt	CCEEEgactc	Ctabactact	3 3 4 4 4 4 A A A A A A	472680
	ccacgcacc	Lagogatatt	ctattttaat	ttctcaaaac	tacctccc	472740
9	Lyaacttett	cygogatgcc	tttcqctaca	tocatacoat	2000700	472800
ttgcagggcc	gcacgttcac	gactattqqa	taaaaacccg	atttccacca	agegageate	472860
	culturation	Caacaaagtt	cacaattttc	a a a c c t c c a a c	3 2 4 4 2 2 2 2 2 4 1	472920
gccattttt	tccatagcag	ctaaaatgtt	ttttcccagt	acttotoaca	taaaat	472980
- 5 5 5 - 5 - 6	cegacettae	cattataaaa	atatactica	ataccasaca	Ct cct cct+	473040
tgaagaatga	ttacagtgga	tgctgataaa	gacatecee	taccasaagg	tons	473100
aacgcgtttc	cctaagtcaa	cgtatacatc	agaagategg	attacatcac	ccgacaaagc	473160
catccgcttt	aagtaacttt	gaaccgtcaa	accaacacac	accayccyay	gtttataacc	473220
ataatgaagt	tccttacttg	CCatacetta	atcttttccc	agggtcaggg	acttctcttc	473280
tataacctca	ctgcgtcgta	cacactgagg	aggattcoct	atttalana	gatctataaa	473340
acttcctaac	acacataaag	Caaaaaacga	Cantractta	gcccgagcaa	aaatcgggtg	473400
cacaaacagt	ctgcttatca	tegaacgeaa	ctatttaata	gacacaggaa	gcgagtacct	473460
catgcccttt	tcccgctatt	aacactatat	CtCtatctca	~~~~~	tggtaagctt	473520
taattgcttg	ttttctgtcg	atttcgatga	aatagttttt	tassesses	agagcatatg	473580
tttcattcac	aatatcttca	adadactede	tectagget	cyaacaaaac	ccatcacaaa	473640
aaccataacg	ctctaccacc	tagaccatca	acttccattt	accegaagee	acaacagcaa	473700
cgcaaccaaa	aacaacaatc	agtetteece	CCTCaggaga	taactontee	ctatctccac	473760
agacattgtc	taaagcatcg	aggatatata	Cataatcaat	ntatore	aatcctgtta	473820
taagtacagg	atccaaacga	cctggaggag	attaccase	acacacaggg	cagggaccca	473880
cttcaagatc	gcaacgcaaa	cttgcatgta	ctctacacac	gectatett	tctagcaaat	473940
cgttgtactt	tccaataaat	gaggaagag	acceptate	cycaycaagt	aggttataga	474000
tatactttgt	tcccgaggaa	gaaagttgga	tateggtage	taggteeeeg	tacaccaagg	474060
ctataccata	agtgatgacc	gatacettta	Cacteteast	Leggtagtea	gcagcactct	474120
agtctgtgtt	gataacaacc	attoccoaag	acacacac	acactgagaa	gcgtagggag	474180
ccgcaacata	ggtttcaaat	ataccataaa	agggcacgag	agagaaaagc	ttggctttcg	474240
gaactgctgt	atcaaaattg	gtataggga	Ctcttcca	acctaaggta	atattagtca	474300
cttccataac	aacagcgtct	Ctattttgac	Gtaccatage	ggcaagtcct	atagaagaga	474360
gagcgggtgt	aggtgtagta	aacccatctt	taatcacage	ggctadatac	ttctgtaaaa	474420
tggttcctaa	aagccctgaa	ggtttttgat	acctatocaa	tanagatht	atatgctcta	474480
taactgtagt	tttcccattg	artccaatca	CCCCantact	taaagettta	atcaaacatg	474540
attcgtaata	ctttgcagaa	ageteageet	ctaattatta	arggagetta	cttgaagggt	474600
gaacaacgga	aagaaacgga	ttatatagta	DOGGLECTE	gagattagga	gtgatgatct	474660
aagcatcgac	agcaaaatca	tttccatcat	aagaagcaac	ggcaattget	ccattagcta	474720
cgccaacact	cacacaacgg	gaatcacgtg	tcaacttcac	cttatggget	ataaaaatgt	474780
tcccgtagat	tttagcttga	accorators	otaagttgcg	tacttcaaga	gggcgaactt	474840
ggactattga	aaaacaactt	ttttcatass	and contain	caaacccatt	tacgctccag	474900
tttttaaaaa	atgcttaaag	gatttcttt	ctcate	ggggcatgct	ctcactctga	474960
tagtatacaa	gcaatcacaa	aaaactotco	atasattat	yacadadaat	tcaatcaaga	475020
aatttcgctc	tcctgtttct	accascacas	acadayttict	taccettete	Tgaaatataa	475080
acacacagee	ttacctcccc	Cttccatas	ottosstses	coccaaatct	aaatccccaa	475140
tctcttattt	aggggaagaa	agctaaagt	attrotetec	tttaggeteate	aagactttgg	475200
taacataaac	tactcataga	ggataaagag	accectatay	totatata	accctagcca	475260
ctcaacggta	aaagtctata	qcaagatgg	aatamamato	ctcacctac	agagtctttg	475320
			ungayatt	-ceacedegt	rccccttgt	475380

•						
tttcttagct	tcttgtctgg	aagaatccct	aaatagagga	gtgtgcggtc	agcaacccta	475500
gaaaaaatgg	gracegeaca	acgcccccc	atataatttt	teataceate	ggctcgcaaa	475560
Ccatattcag	gatcatctat	ggagacgagc	atcactaaaq	gtgggaaatt	tecetecaaa	475620
cccccacgg	gagtaaaacc	tataaaagaa	gcaatatgac	ggcgtttatc	atattttcca	475680
Lyaateatet	tttctgtagt	tcctgttttc	ccagcactag	agtgatgctt	aggagagget	475740
Cyadalecce	aacctccggg	taacgttgta	aaacgcatgg	cacqaacaac	ttctctagta	475800
accecteg	aaaagagtcg	tgtcttctct	ttagtaggaa	gatgatattc	ctctcctgaa	475860
gcagagacga	tetttttae	taaagtgggc	cggacggcat	aacctccgtt	tacaaggata	475920
geglaggett	gaaccatttg	tatccctgtt	gccaaaatat	tatatcccat	agccaaagaa	475980
catggagtag	ataaggacca	ttccagggaa	ccattaatat	ggaaacgatg	gggagaaggc	476040
accaaaccag	aggcctcact	gggaagctcg	atccctgttt	ttcttccaaa	tcccagagct	476100
agcaactict	gitggtacca	ggccactcct	aaagattgta	tgatgcggtc	agccagctga	476160
gecacataga	taaggaaga	tttctggata	gccatgtaca	tattcaattg	agagtttcta	476220
gatacatece	caageggaga	tecttttegt	ccagggaaga	gtgtcctggt	cacatcgata	476280
aaaacaataa	ccacacacac	ctttttctgc	gattttaagc	tagcctcttc	gttagcttgt	476340
aaagatacct	togtatotto	aggtttcatg	accgacccgg	gttcaaaaac	atcgctcaca	476400
qqatcqaaaa	acquatattq	gatgcgctct	regetatiga	agtattcctt	ataatttgtg	476460
atgagectae	cccctagg	agccagtgca	agaatetete	ctgtttggga	gttcattaga	476520
atggtctgga	tcacaggatt	tttagcttct	agcacgcccc	gttcgagttc	ttcctctgca	476580
ataacacgat	toutatotaa	gatcgtaagg	ragacaccag	agccatett	aggcagtttg	476640
teceetteca	gaatatgatt	acggttcaaa	ggagaacgca	acagetteet	ctctccaacg	476700
gttttctcat	ccttaatttc	aaagtacgcc	tecateeege	ctgtgggaaa	ggcttttcct	476760
ggatacgagc	gttggtagtc	tcttaaggta	aataggaactt	gtccaaggag	cttcccaaaa	476820
gttgcatatc	ctttccacca	cgtaataaaa	cactagggcgt	cigitggtaa	gcgatgcttt	476880
tacagettae	aataccgaga	aagggatagc tttcttatct	aactttagga	Cagaaacatc	taataaagga	476940
ccctcaataa	attggagaat	cccttggatg	atotoatoa	agaggtcgtc	gtaggtetge	477000
aaaggatctg	cacaaaggtg	aaattttgta	atatcaacac	gatyacatte	gggaataget	477060
ttgtctccct	tacgtactgt	cgtgttagca	aaaaaggtgc	cccttccaaa	aggates	477120
acacaaaatt	catattaccc	gagagettet	acaacaggege	catctccttc	aggaccacgg	477180
nttttataat	aacgcaatac	tagaagagca	taaagagcaa	acactcctag	acaattige	477240 477300
gtcgaacgtt	tacggtagct	cataggataa	aagactgata	ctttcttcta	accaattattc	477360
caaatattga	tattcgggaa	gagctgctat	ttccatcaaa	tgatcaggtc	tttctatttt	477420
atcaattaaa	aaacgtaaag	aaatattttg	ctgctcaagc	tgacgcaagc	gtacagataa	477480
acaaggaatt	tcgaggcgta	atttcgtcag	cgagttctgc	ttattaatat	agaaataaaa	477540
gagacttcca	caaaagcata	gacagcagca	taaacqtaaa	aaacgacttt	tottcattoo	477600
gaagcttttt	caaaacaccg	tagttttgct	gatctcgatc	taggatttct	tcgtacttct	477660
tggtaggtag	gttggatcac	tttctttgtg	attaccttcc	ccaqqccaqa	agetteegee	477720
tctttaaaaa	accacttcac	aggacgatcc	tcagagctac	aaaaagaaat	aatgacaagc	477780
cgtccctgag	gagccagcca	agatatagca	gatgttagta	aacttttcaa	ttgtctatcc	477840
tctccattca	cataaacacg	tagagcttga	aaaatcaagg	tgagtggatg	tatttttcta	477900
tgaaaacgat	agtgagggaa	aacgccaaga	agagcttctt	ttacatcctq	gatcgaaaga	477960
attttttat	gcttacgaaa	atggacaaca	gctttagctg	cagatttcca	ttataattcc	478020
tctccatatt	cacgaaaaat	tctccctagt	tcttcttctt	ttagggagtt	caggacateg	478080
ctagcggaaa	gctcttgcgt	ttgatccata	cgcatatcca	actcttcttt	ttccccttga	478140
aagctaaacc	ctcgggatag	agtatccagc	tgcatagaag	agactcctaa	atctqcaaqa	478200
actccgtcat	aaagacgtgg	agtgggttgg	ttcgcaagat	cttcaaaaga	gacatagaaa	478260
aaggagactc	tatcttgaaa	ggtctccaaa	cgtttttctg	caattgccaa	agcctgaaga	478320
tctcgatcgg	agccatcata	acaagttaga	gagggatacg	cctcaagaaa	agcatacgca	478380
tgtcctccag	ctcctaaggt	gacatctcga	aaagtctgtg	gaggacgttg	agcaaataaa	478440
gctaaacatt	cttcaactaa	tacgggaata	tgcgcacgtt	cggacataag	aatttcctaa	478500
getettgget	tcaaataagg	acaaagatac	aggattccat	agaaagaaga	aagccttccc	478560
ttaactcaaa	teestag	ttcgccactc	taaatttttt	gataggggtg	agctttttc	478620
ctacacccc	ctatoatete	gaaaaggttc	aggcttctga	tcaagactat	tgactttttc	478680
tttttaatta	taggagge	gagatagaga	cggtttttta	aggcctcgcc	atggtagaaa	478740
actttccc	agaaatcosc	atatatgagc	aacatgcttc	caataatagg	atagtcagcg	478800
aaattttaa	tatgaaccca	atggaaggca	cttccattcg	tgatgttgcc	aagcatgcgc	478860
agtcgcactg	agcatattt	aagccttcgg	ataattaat	tcttttacag	acaaatcaaa	478920
cctacctgg	accttcttta	tcccctccaa ggatctccag	acaactitta	caaacagcgt	TETECCACAC	478980
cctcatttt	aaaagttctc	actcgaggga	acttttast	toggagacata	yaaaaaatct	479040
ttttgtctta	caaagataaa	gaagaagagg	aadacdaada	toctosacas	actactccct	479100
atcctagagt	acaacaaggg	aaagtgctct	taaaanctc+	anatottona	gacyaryacg	479160
3-3-			uuugetet	agatettyya	greadyted	479220

•						11070/01070
tgttggataa	a tgaatggaaa	gcaatcttag	gctggggaga	tgatgagtta	gaagaactca	479340
3	,	. ctatuttaat	LUGCATTATTA	` <u></u>		479400
	. gactetagat	. CCLLLaadLa	L ECTAtmatcs			479460
~~~~~~~~	. rygtgaaaat	agicaducuc		· =~=+~~~~~		479520
~~	· cccgccaca	Littaaala	daacaaaaac	· + ~ + ~ + + + + + + +	Am Am	479580
o o g a a g a a g c	- cacegocate	gucauctacc	CCCCAtcctc	r tecestions	~	479640
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	· ageterateg	acyayttata	Ulaaadcaac			479700
coogecaace	· ccccccccca	Layaaaacut	atttcataat	* + Maannan		479760
	· cccacccca	LLacadaci	. CCataattat	* * * * * * * * * * * * * * * * * * * *	wallander and a control of the contr	479820
	- caacgaaacc	aacyatttaa	Effacettaa	- 22CC+2~+22	*****	479880
cascacac	gcagagcgca	- cuguguttac	CEGCGGGGGG	addatatata	~~~	479940
	cucaccag	ggaatgcagg	atccaatctd	33000000000	~+ ~ - + +	
couguacaac	gaatagttaa	yatgcaatga	gattttctcd	CCatcactca	+ mm	480060
	Lyggaaaget	LLaLadataa	agagagcarc	atottaacot	~	480120
caccaccegg	guacagicii	Laaallatut	Laagacacgt	tactcasss		480120
aaaccggacc	- CCCCCCACCC	aaguttitta	agaaactcaa	Cacaaaatta	~~+	480240
	- ccgcacaaa	actattttt	Luaraactac	22222222	*	480300
-9	gatgutatatg	gagageettee	EEEAGAAFEE	at matte anna	**	480360
accecagee	CCCGLGGCLL	Cicadadada	atcaaacgaa	accept the community of		480420
	gatttyaat	Ladayctyaa	CCECECCEAE	COCTTTO	3 t t t t	
aggeoceea	adicaditity	Lydagictic	adctdtaddt	attactaca	~~~	480480
ccccacaac	ccccatte	LCCalggggg	Lataggatta	CCCSSSSCCC	3 * * * a = 4 4	480540
egeogeagge	cactacytaa	yayaacatca	Caaaaatcta	COCATCOAFF	~~~ + +· ·	480600
agaagagaac	accaacgacc	Ligiciacca	TCTCaaatcc	aagtetatta	252225	480660
aaacccccac	cyclicitag	alllacitet	Eggtgatgat	attcasttt	****	480720
	gaagaagagt	LLLUCAATAC	CEEEgagage	ttgatcasoc	the second second second	480780
	accaytyata	aacctccaag	tcagctcaaa	Ctttccccacc	~	480840
	rggggactgg	Ligiticator	COOCATICCE	Catttacana		480900
gaaceaacag	cacaaggegg	aycaaaaaqq	attoctcarr	CCtaatgaaa	***	480960
caccycygac	cacacccacy	gcaatgtccq	tcaattggaa	CCACCTATCA	2022000	481020
ugue cae ege	cyceteccy	gcaagtetet	tacagaaact	acagteegaa	333ababaa	481080
agagctcttc	cgttctccaa	caaaacaaaa	aatttctgta	gaaacgatct	taaaaccccaaa	481140
tgctacagta	ttccaagtaa	agctgaatga	tcttaaggga	aactcaccct	Change	481200
rgugitaget	cygcaaattg	ctatgtattt	agcaaaaact	Cttattacac	3++0+++	481260
egeaacagga	gergerring	gradaactca	CCCGacagta	ctttatacct	CT33336555	481320
agaacacaaa	ccacaaacy	acqaaactct	Laagcgtcaa	ataaatatat	~+	481380
cactgitggt	caacccaggg	ggtgtcccat	qttccqtaga	nesennana.	GEGGEELE	481440
~g~cgcaa	acaccccacg	aagaagaaac	CCCCCacce	tecagetact	~~~~	481500
aagacccgag	cycccagaga	CCCCCCCaag	CCCCCCCac	aaccct aaac	abb	481560
gccccccg	aaccacaacc	Laactgaaga	acceccee	CCtcaatace		481620
~~guacagaa	CCLCLACTCC	Clcttgaaga	acctgaaact	accttaggag	2200001000	481680
TTCCCCCCCGGC	gaactigiti	Ligaacgtct	cctacqtatt	gacggaactt	ttannaaaa	481740
ccagicica	aaayyaaaaa	ttattatcgg	tcctaaagga	ataataaaaa	7272tattat	481800
gecacaayaa	gccartattg	aaqqqqttqt	adaaddaaat	atcacactat		481860
-gaacecege	yyayycycaa	tcattaaagg	agacaticcaa	CCC22C2C	** * *	481920
-34999cgca	cycaticity	gitacettge	aattqcaqqa	attactgate	2 * * * * * * * * * * * * * * * * * * *	481980
~saaagagac	LLaLagalac	Lagaggtgat	gcactccctc	Caacgatage	++	482040
g cyaca	aayyataygc	cgacaaaaag	cagatacett	CCCCtttaaa		482100
	Lucitaggaag	ccacqqccac	aagggaatac	TT 2222CC++	*****	482160
5 dad C C C C C	ccacgattt	cctagaaatt	gtcgatgtta	tatagggaar	202005	482220
y coccaccca	ycyaayctag	cccaaaggcg	atactettan	222222Ct~		482280
oge cacee	cacaagcacg	agcatatacc	gagagggcca	tttaaaaaaa		482340
cegaaageee	yaayiigtga	agagggtgaa	cactooctac	atamacotot	ttaaa	482400
agacaac	yaaaacaacq	tagacaacgc	CCTTCTCTat	attataaaa		482460
aagcagccgg	aacaaaagta	ggctcctqqa	acttaacaac	Cataacataa	ann	482520
-youncgana	adagtaccat	CLALLETTOA	atcatgaaaa	+++++++	A	482580
ageagetege	Lacyttleg	aacqtqtaga	agetteaact	tttatataa		482640
	acadattccc	LLEGGAAACE	atotcaacaa	G2G22Gt2t4		482700
	gargegalag	alacattttg	ttacgaacct	2550000		482760
ooc cccacc	cycyattery	tagatgttaa	acattaaata	atacttatta	++-+	482820
geeceegeg	accuttgitg	cgatctggaa	ttcaggachh	Caatctatca	+++-+	482880
aggedateet	guguugatgg	agcaattett	acatatttct	ggatttggts		482940
ceeegeeeac	adagagatee	atatagttcc	tateetttee	gaaggactta	agatettt	483000 483060
+++		_ 4 4 4			·	#02000

tcgtgggcat	aaaatcgcag	aaggactgct	agtaaccgga	atcctctatc	cccttactct	483180
ccctccgaca	attccttact	ggatggcagc	cttagggatc	gcctttggta	ttgttgtcag	483240
taaagagctc	ttcggaggca	cagggatgaa	catcctcaat	cctgctctat	caggaagggc	483300
attcttattt	tttacgtttc	cagcaaagat	gagtggtgac	gtttgggtag	gaagcaaccc	483360
cggagtgatt	aaagatagcc	tcatgaagat	gaactcctcg	acaggaaaag	tactcattga	483420
tggattttca	cagtctacct	gcctacaaac	tctaaattcg	acacctccct	ctgtaaagcg	483480
tctgcatgtc	gatgcgattg	ctgcaaatat	gcttcacatt	cctcacqtcc	ctactcaaga	483540
tgtcattcac	tcacaatttt	ctctttggac	agagacgcat	cctggttggg	ttttagataa	483600
tctcactctt	acacaacttc	aaacgtttgt	tacageteet	gttgctgagg	gaggattggg	483660
gctgcttccc	acacagttcg	attctgccta	tgctattacc	gatgtgatct	atgggattgg	483720
gaagttctca	gctgggaatc	tcttttgggg	aaacattata	ggttctctgg	gggagacctc	483780
cactttcgcc	tgtctgttgg	gtgcaatatt	ccttattgtt	acaggcattg	cctcttggag	483840
aaccatggca	gcctttggga	taggagcctt	tctcacaggc	tggctcttta	agtttatcag	483900
	gtgggacaaa					483960
tcggcagctt	ttcctcggag	gacttgcttt	tggtttagtc	tttatggcta	cggatcccgt	484020
atcatcgccg	actatgaaat	tagggaaatg	gatttacgga	ttctttatag	gatttatgac	484080
tattgtgatt	cgtcttatca	atcctgcgta	tcctgaggga	gtgatgttag	cgatccttct	484140
gggcaatgta	tttgcccctc	ttatcgacta	ttttgctgtt	agaaagtata	gaaaaagggg	484200
agtctagaat	atgtctaaag	gctcttcaaa	acataccgt'c	cgcataaacc	aaacctggta	484260
catcgtttcc	tttatcctgg	gcctcagctt	atttgcagga	gtgctgttat	ccacaatcta	484320
ctatgtgctc	tccccaatac	aggaacaagc	tgctactttc	gatcgcaata	agcaaatgct	484380
tttagctgct	catattttag	attttaaagg	aagatttcaa	attcaggaaa	aaaaagagtg	484440
	actttcgata					484500
	tatcctgaat					484560
	ggcaaggtat					484620
tgagaaatat	caagaaagcc	ctccgtgtca	gcaatccccc	ctcccctttt	atgtcatttt	484680
	tctcgcacag					484740
	ttgatcttcc					484800
	aaaaacgacg					484860
aactccaggt	ttaggagcaa	atattacaaa	tcccgaatgg	caagagcaat	tctatgggaa	484920
	ctacaagatt					484980
tgaggtagtt	aaaggttccg	tgcgtactac	tttgggagat	tctccaaaag	ctctttctgc	485040
tattgatggg	atttctggag	ccaccttaac	atgcaacggt	gtcactgaag	cttatgtaca	485100
	tgctatcgtc					485160
aacaggcgaa	tgacaagtaa	aaagtcctat	aaaagctatt	tctttgatcc	tctatggagc	485220
aacaaccaaa	ttctcattgc	gattttgggg	atttgctcgg	ctctggcagt	gacaacaaca	485280
	caattactat					485340
	tattacgtaa					485400
	tgtttgtgat					485460
	tttctgtttt					485520
	tagctaggca					485580
ggcttaggat	acggctgggt	cttacttgtc	attggagtca	tcagagaact	ctttggtttt	485640
	atggggtttc					485700
	aaaatttaag					485760
	ggcttgttaa					485820
	acttggctta					485880
	gcgaatttct					485940
	ggcttgggga					486000
	catgctttca					486060
	aacctaggtt					486120
	ttagagcttc					486180.
	cccttgattg					486240
	tatcctttta					486300
	attgttattt					486360
	cagggaatgg					486420
	acaggtattg					486480
	gttgttgaaa					486540
	tctaaagcac					486600
	gaacttttgt					486660
	tttgcaagct					486720
	aatagcaaga					486780
	aaacaaagtc					486840
gcactttcgc	aaaaatccga	caagataaag	aattctccga	acggagaagg	acactagaat	486900

atgtagtcar	Gattttcaa	tanntnnn				
ttttttctaa	gocattogaa	atettataa	guccaactca	gctttcatgo	gctaccttag	48702Ò
taatgcaact	: ggcaccagaa : Cacaacaatc	caccitacac	gccaacacgc	acaaactaac	atagataagg	487080
ggccacaggg	: taccaaagaa	atcoctatos	gergragagg	tgccgatccc	gttaaaaata	487140
tcttcacaco	agatacccc	raagataata	aryaaayyac	catgatggct	atagtaagct	487200
gatettatao	Gacatdaddd	gaagacaacg	toggacaatto	ttcagaagat	agttgcacat	487260
ttttttaaac	: Cttagacata	aattttaaat	cagciggato	catagaataa	ttctgatgta	487320
tctgaaaaaa	atgagtatat	Ctastasas	gttttagcct	taaaaaaata	cctcttatct	487380
gaaggatccc	agtectagte	tagtcggact	actiactict	catccatcaa	agaaagatta ttctggagct	487440
tcqttaatct	tctgaggatt	atccactaaa	teasgetates	atccctcacc	ttctggagct ctctcctgat	487500
acaggactta	acacctctta	tagcagattt	acaacattaa	Lategataac	ctctcctgat aaacctcacc	487560
ttctttacat	agactcccta	ctgaaggtaa	agaagactcc	agaatgacta	ctaaattttt	487620
ctgcattttt	tctqttaacc	casaacacsc	Caccatatag	tgalacggete	aaatccaaac	487680
atgataatca	gaataccaca	tcaccttacg	acccctatt	ctataaaaa	ttccatatag	487740
gatcctaaaa	gttcttcatc	tagctgactt	ttacctaaaa	atactta	cacgctagca	487800
ggacgatcat	acagtaaatg	agagaggcat	tgataataac	acagereate	gttaggactc	487860
atgaatacag	aagaatagtc	tcctaccttc	atagagaaaa	tectateaaa	ctcttggggc	487920
agctccttgt	ctcctcggga	aaaagtette	aatgagggat	ctaactaa	ctcttgggge	487980
ccctcgagat	gccttcccaa	tctataattt	tecacracet	tccaaacaca	ayayaaagac	488040
aggctagcgc	cttcttctcc	tggataccgt	gracgcaacg	Cacattota	acgctccatg	488100
tcaacaagat	gaccatgaga	agtaagtaac	tataaaaca	aatototot	acgctccatg	488160
cgataaggaa	gcacttcttc	tttttcaaaa	gaactattaa	Caataataat	caaaacccca	488220
tctgcatcct	ggctatataa	atctaaaacc	Ecattttcaa	CCaacacttt	araaraggto	488280
tgaccgtcgg	atattcctgg	tagagcacta	ttetteeera	Canataagag	gyctaattgc	488340
ctctgcttag	gaacttgctg	tagcgattgc	agaattetet	Cagacaagag	cattanen	488400
tccttgcgtg	tgaaaagaga	aattttatct	Cacaacacaa	acttaagatg	ttaaaatt	488460
ttatacgact	gacacgtctc	aacqtcaqqa	aactgctgga	gaatctcctc	ciggaagtet	488520
gaattttgtt	gccagtgcag	cacttcaacc	ataggtacag	tagetgetaa	gaagtgetea	488580
gcgactctct	tatagtctat	agaaaaccgt	ctocctacta	accoagacta	tttaggtaaa	488640
atggtcgcta	taggaaggat	ctcattagga	acatccaaac	tatccgattt	aggtanate	488700
actaacttta	aatagacttc	gaaagctttt	aactcttott	trattttaaa	aggidaacic	488760
ccayyyaycc	taaagaactc	tacttgtatg	gaatcttttc	cttgaacgaa	aaatgtagtt	488820
agaggilgga	agtcaaaaga	aacgcctccc	tqcaatagga	gaagagetet	tttqcacaac	488880 488940
aacacgcccc	yacacacact	gaaaaattcg	gactcagaga	tctctaaaaa	ctgaaaatac	489000
gagertacaa	attettcaaa	tcctaaggaa	aattccttat	tottactgat	cttagtatag	489060
geatherege	cttatcataa	aagtcgtcac	gagetttett	gttttgaggg	cctaggaagt	489120
actitititi	gctcgtcaat	aaagcggatc	aagagctcaa	Cagcagcaga	aaggtaggea	489180
ccccaaacc	agtettgaat	cgtctggtag	ccaaataacc	gcaagtcttt	CCCGCGagat	489240
aaggeeedae	ecgggggaag	agcaaacatt	tgctgcggta	ctccaacatt	tatagaga	489300
cataatgagg	gaaccttctc	tcttctaaaa	agagettqqe	tctagcaaga	aatccttctt	489360
ccgacacggg	gttetegatt	tgttgaaaga	ccttcaggat	ctctaaaaac	tagagageta	489420
aagatttcca	aacttcttca	gaggaaataa	aaggagcgtc	aaaacgacga	tacqqctqqt	489480
aagetttete	cttactaaaa	attttctctc	ccadataata	Cactittaaa	aagagetete	489540
CCCCCacccc	tgtcgttaga	aaataatcag	taagtageee	Ctcattmata	aaattocaaa	489600
CCCLagggtt	ccctgtaaat	ggatacgctt	cqtqaqcaaa	gaacttette	atagggates	489660
aaccccccc	tacataccgc	ttccctgaag	Caataataaa	aacagtccga	Catagastas	489720
accergeaga	accttttcta	gagaatcgtc	CCCaacccac	tecaatacca	~~~~~~	489780
ctacagcaac	gacaatgccg	ataaattttt	tttgatgett	atagaagaac	at as as a second	489840
cccacccccc	acccaaacaa	taaaagcgta	gtgtaaacga	tagcagagaa	222222222	489900
caggareeer	gcagagcctg	cagaagagat	cctattaata	gattcgcacc	Cagggaagaat	489960
aggerggeat	ataggtcagc	tgcaaatgtc	ccaaagtgtg	atatacaaa	taasstsee	490020
aayayaaaat	gregecatga	cttacaggaa	tegacaatee	datatettta	ttassasstt	490080
egeragettt	cycaycyact	tctggagatt	cgataactac	aatactttcc	taatcaaaa	490140
Caccacccc	CLLCCaaaa	trataacttc	cgatcacaaa	aatttcatca	teratastas	490200
tacacticit	grgcaactgc	gtttcccaaa	tagcaaactc	ataaatadaa	accorates	490260
aagguuttag	Cttttcgcaa	aaccattttt	tccaaagagg	ataccattta	ccatacas	490320
aggegaaata	yttaatacgg	tttccccaag	catagggtcc	tataattaca	~~~~	490380
catgacagee	gricgtaatt	aaactcagat	gaacaccgtg	attatgagaa	acat cases	490440
gagcatttaa	aagctcgtcc	ttagggatga	aatacatoro	agcaagcttc	2020220	490500
Laguidectig	gataagtttc	aaatattett	gagtccagga	ttaaattaat	tataataa	490560
accacccaaa	actatectga	tcttggaaga	qtcqacaaga	acaagatett	Catorttot-	490620
aaatccagga aaactgttca	acactgtct	traacce	TTCTaaagtc	agtggaggac	aggcgcctgc	490680
aaactgttca		Lyaaccacat	acgatgtgca	tagtagtccc	acatagcaaa	490740

ctgatcacga	aatgctaggg	gccgacgcac	tccactgaca	aataaacgtg	ggttatccac	490860
tttctcayya	accidatece	ctggagtgca	cataaactct	tcaaaattgg	taccacctaa	490920
aalacaalal	ctcccatcga	tgatagaaag	tttgatatgc	atttcaatga	cattaggagg	490980
gaggatgett	grrgagggrg	ggcaccctgt	aaaaacotao	aaaaacccct	taggatasca	491040
ttctttgaga	gctttgagta	atttttggtc	ttcagcatcg	gtaaacgtgg	attagataat	
gatattagct	acagagetet	ggaaccagat	Ccatacgage	ctccacctca	tettagataat	491100
tctttaagcg	ttcgacctcc	tgtcatgcag	ggacacagtt	ctagaggega	cccaccatc	491160
totatocaat	ccaatatete	traaaaaac	totacagee	tutacacada	atttgcatga	491220
accttctcct	tatatateeg	ttgaaaggcc	tetacactat	tgtcataaac	aagaactcca	491280
ataaaaata	ttccaage	tacgattgtc	LLEGCEGAAA	cagaattagg	aaccagcaaa	491340
acaaaaaaaa	ttttatta	tgccaagcga	aaacgcaacc	gactcatcat	aacccctcac	491400
Cacaaaacaa	cccaacaaac	gcctctttga	cttgctgacg	cgcctcctgc	agcacttcat	491460
Cagcagette	Caaacctaaa	gggaaaaacg	cgtgaatctg	gatttgttca	ataatttctt	491520
caagaacctc	gggttttaaa	aatctctggt	aaaactcaga	agaacttccc	gataagaata	491580
aggateettg	atgtaaaaat	ccctgttgca	ccttgcatta	ggcagcgccc	Ctatcttctt	491640
gtecccaann	aagaacgtca	tacttcgaag	tttttgccat	acaaaaattt	cctgaatctc	491700
tggaagaaga	gttttcgtct	tctggagcta	acattcccta	gatccgaaat	actitotota	491760
gaaccttcgc	tacaaaagag	tttacagtat	ggtagttctc	aantaccaaa	accettetta	
aaggatgtgt	cgcagacata	agaacagaaa	aaccataatc	toottota	gaagaatagg	491820
cccctcccat	aggccgcact	acaacataca	atoctage	tecettatgg	aagacaaatc	491880
atttttctcc	accetaaac	gcggcgtcca	too	cgcatagttg	gaaagtaaaa	491940
actatacage	gagataaag	tgaccgtacg	Lcagagaaca	aggattetee	cactcataaa	492000
ggcgcaaaac	gageteeea	tcttgcagag	attctaataa	atctctgtcc	ttagccatgt	492060
gggaggccgc	tgaagatttt	cctgaatcta	cgatacgaac	tttcatataa	caaacataaa	492120
actaattaag	actgtttcaa	aagaagctga	actattgtat	catatacaaa	aggtttgtgc	492180
ataactttcc	cttaaactca	gaggaatttt	accaaatttg	ctggtttaga	gcgaagagtt	492240
gcatcattat	tttaaatttc	gtatatgctt	aaggaaagtt	ctacccctot	Cttttaggtt	492300
tttatgtttg	agaagttcac	taatagagca	aaacaagtca	ttaaactggc	daaaaadaa	492360
gctcagcgtt	taaatcataa	ctacctgggt	actgaggaga	tectacttaa	tattata	
cttggtcaag	gggtagctgt	taatgtatta	CCCaacctca	atataaatta	tetteteaaa	492420
саасаааааа	togaacocct	attaattat	cgcaaccccg	graragarti	tgatacggca	492480
accettacaa	assasatss:	gattggttat	ggcccagaaa	ttcaagtcta	cggagatgct	492540
geceetatag	gaagagtaaa	aaaatctttt	gaatcagcaa	atgaagaggc	cagcctttta	492600
gagcacaatt	atgtegggae	ggagcattta	ctcttaggga	tcctacatca	atcagatagt	492660
gregetette	aggtattaga	aaacttacat	atcgatccaa	gagaggttcg	taaggaaatt	492720
cttaaagaat	tagagacctt	caatctacaa	cttcctcctt	catcatcatc	ttcttcctca	492780
tcctctcgaa	gcaacccttc	atcttcaaaa	tctcctttag	gtcaaagctt	aggttctgac	492840
aaaaacgaaa	agctttctgc	tctgaaagca	tatggttatg	atttaacgga	gatggtccga	492900
gagtctaagc	tcgatcctgt	cattggtcgt	tcttcagaag	tcgaacggtr	gattttgatt	492960
ctttgccgaa	gaagaaaaaa	caatcctgta	cttattggag	aagctggagt	taataaaat	493020
gcaattgttg	agggtctggc	tcaaaaaatc	attotgaatg	aggttcctga	tacettaca	
aaaaaqcqac	tgattactct	agatctagca	ttaatgattg	ctccccga	cyccccacyg	493080
caatttgagg	aacqqatcaa	agctgtcatg	catagatta	ccggaacaaa	alaccgaggg	493140
ctcttcattq	accegateca	caccattata	gatgaagttt	gcaagcatgg	aaacatcttg	493200
CCTCCCCCC	ttttaaaaa	cacgattgta	ggagcaggag	cagctgaagg	tgctatcgat	493260
accatacata	LCCCaaaacc	tgcgttagcg	cgaggtgaaa	ttcagtgtat	tggagcaact	493320
acgatagatg	agtategeaa	gcacatagaa	aaagacgcag	ctttagaacg	tcgtttccaa	493380
aaaatcgtgg	ttcaccctcc	tagtgtagat	gagactattg	agattttacg	tggcctcaag	493440
aaaaagtatg	aagaacatca	caatgtcttc	attactgaag	aagctttaaa	agcagetgeg	493500
actetttetg	atcaatatgt	tcatggacgt	ttcctccctg	ataaagcaat	agatettta	493560
gatgaagctg	gggctcgtgt	ccgtgtgaat	acaatgggtc	agcctacaga	tttaatgaag	493620
ctagaggctg	aaatcgaaaa	tacaaaattg	gccaaagagc	aggccattgg	aactcaacaa	493680
tacgaaaaag	ctgcaggttt	acgtgatgaa	gagaaaaaac	ttcacaaca	tetecaagaa	493740
atgaaacagg	aatgggaaaa	tcataaagaa	gaggaggagg	tteetetaea	tassassass	
gtcgctcagg	tagtttctct	acaaacagga	atteceteas	cccccgcaga	cyaayaayca	493800
agtgagaagc	ttctcaactt	acadacagga	ttaagaaaa	caaggereae	agaagctgaa	493860
accattacca	asstates	agaagacacg	ccaayaayaa	aagtcattgg	tcaaaatgat	493920
sanather	gcatttgccg	tgccatccga	cgttctcgaa	cagggatcaa	agatcctaac	493980
cyacciacgg	geteetteet	attccttggg	cctaccggtg	tagggaaaag	cctgctcgcc	494040
caacaaattg	ctatagagat	gttcggtggt	gaagacgctc	tgattcaggt	agacatgtca	494100
gagtacatgg	agaaatttgc	tgctaccaag	atgatgggat	cacctccagg	atatotagot	494160
catgaagaag	ggggccacct	tacggaacag	gtacgtcgcc	gtccttactq	cattattete	494220
tttgatgaga	tagaaaaggc	acacccagac	attatggacc	tgatgttgca	aattttagag	494280
caaggacgtc	ttactgattc	ttttggtcgc	aaagtggatt	tecatcatac	cattattatc	494340
atgacctcca	atttgggagc	tgatctcatt	cgtaaaagcg	gagaaattgg	ttttaccttc	
aagtcccata	tggactataa	ggtcatccaa	gagaaaatog	aacatoctat	gaagaaaa	494400
ttaaagcctg	agttcattaa	ccgtttggat	gaaagtgtg=	ttttcc~ta-	gaayaaacac	494460
gaatctctar	cocacatcat	ccatttagag	atcaacaaac	tagaataaa	cologagaaa	494520
*100111100		ccatttagag	atastttast	tagtagt	actgaaaaac	494580
						101610

						11576/01670
tctccagaa	a tgggagcacg	tcctctacge	cgtgtcatto	agcagtacct	traarateet	494700
J - J J - J		- agautection	: CALCASAS	· ~ ~ ~ ~ ~ ~		494760
						494820
		• 994466666	LOCCECCACE			494880
						494940
		· caacccatt	LUCAAOCEEA	· =+~~~~~~		495000
	ugugucut	· CCMMALLLAU	: cannnnnn:			495060
	a angguagu		CETCCCCCCC			495120
		acacaacinio		+		495180
3 -33		Lagragete	CCEGATGETA	. ccctsosses		495240
		guullateda	daadaaactt	ctctaccasa	+	495300
	uuuugcaa	arycclatac	Caterrete	++c+aa+a-	~~~	495360
9 9 - 49	- www.cgcacga	acticactct	Eattcatttc	CCCSSCSCS		495420
	- werettagga	- ULLCCLUALA	aaaaataact	CtCatctt		495480
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	LLLGGAGGC	Cooratttaa	+		495540
5 5 5 5	- evegeedage	- CCCCGGGCLL	ECETTTOTAG	220010222		495600
~ ~		- caaaaaaaaaa.	auccraaaga	atattaatt-		495660
		LLLLaucaa	aagaracaar	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		495720
5 5	- occurra	CCCCCCCCCC	CELERAGERGA	C(72/70222~		495780
		avyaayaggc	Caaraacctt	2+22++~~+		495840
	gacagaa	gaacccacac	CECCEGACAE	せのひとつのつっとも	~ ~ ~ ~ ~ ~ ~	495900
3	, coreactege	Cuccicatad	gaagggtaag	attttaaaaa	** ** *	495960
Caaataatac	gactcgctta	gtgtgt	aaaaatacca	tttttcttaa	attatttcct	496020
Cadaadadt	agttctcttt	tteatta	ctttaaacgg	ggtatttccc	tcatcccttc	496080
gcaatgttt	tgctgattta	tecattacga	ataaggagat	cgtagctttg	ggggagaagg	496140
ttgtagetet	tottacccac	cccattccta	tgcatattgc	tgcgattacg	atcttagtga	496200
tgattgccgf	tgctggaatc	cttactatet	gtttgggttg	ctatagccaa	agcattctgt	496260
gatttattaa	tggcattgtt	Cactacta	tgactcttct	ctgcctacaa	gccttggtag	496320
gggagaagat	attcatccgg	testetete	agcageteca	tacgacagta	caatttatca	496380
ctcaagatac	tcgacctgaa	tacqaaqaa	agettgtaac	caatgcacag	agaaaaacca	496440
tgcaatcaac	gctaaagtta	aaacatttta	acettete	ctcacaaaaa	gagttcaaac	496500
aaaactagtt	tctttatcaa agcaacgatt	Caaaaaaaa	agettectea	caagaatgaa	aagacaaatc	496560
tccccgagag	cagccctctc	totcatocta	Cacacacattat	ttccgtagcc	ccatcaccag	496620
ttacgcagcc	tcatccgatt	ccagcagctc	Cttgggagaa	caatcttcct	aatgcttata	496680
caaagcatac	gctctgtttt	gccttaacac	tactottaac	ctttegetee	aaactttcca	496740
caggttacgc	aggatatact	ggaaactgga	tcatctgtaac	Citaggggga	acgateteag	496800
tactcacact	gattcttgct	Cttcttctag	Caatcoctct	tanantana	ggaattatcg	496860
caaaactgat	tgatgagata	tctcaagaca	tttcctctat	aggateagg	cagacaggaa	496920
gatacgggtt	gatgttctct	acaattaaaa	gcgtgcatct	tocagageta	Congress	496980
	adcadgaacc	LLaaalgaaa	TTGGGGGGGAA	aaaaaaatca	atconnata	497040
	aaccaccgag	Lyccaaaaca	adttadcaca	TRARCOMOCO	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	497100
cccagaa	accaccacq	cotaotatta	agcacctctc	Caacaacact		497160
gacegeeg	actayaaaaa	ttctagtcct	ttcatcccc	taaatctagg	7333tattat	497220 497280
oguacy cccc	teetgagtag	gaaaattatt	agatagtaat	ttaaaaatta	aatatata.	497340
	craytaatgt	rugagaatet	tacadaacat	attesseer	atanna	497400
cogcegeace	cycyyyacac	gtactctcga	Ctcctatttt	tattettess	~	497460
Jacega	agaagcatgt	aaaaatcctc	CECCACGECC	tttctctctcct		497520
	gaacgatyct	aaatttaaaa	agetgeetea	trasartata	~~~+~	497580
	aacycttttt	tqcacacttc	Coattacada	acettataaa		497640
	cacaggegeg	gatattcaat	ggaaaagctc	acttoctatt	+	497700
accountegg	actigggigg	gcgactttcc	aagatacttc	tttttataac	t d	497760
seceedagg	agectacaca	CCCCCCTTT	aaaaattooc	agtggtctat	Cattatte	497820
JJJ0009099	accetaaaaa	tattgagatg	ggttatggac	tetateaaee		497880
Sammaracacc	aggueactga	qaaqctttct	actattttta.	acatcattaa	t	497940
accaag	agaaggettg	gcctttagta	ggtgttagtt	acaacactac	~~~~	498000
accedact.	gcacctatto	racaattt	tctattgatt	accoctogac	~ * ~ * ~ * ~ * ~ *	498060
aaccaagggc	Ligitiating	CCCCacaaaa	EECCGAAAAA	22C+++2C22		498120
accettect	geggeatett	tgaatatcaa	ggacgtgaaa	tegaagetaa	~~+~~~	498180
acceregge	cygyaagiii	tattaaggga	ttttacaarr	aatctattaa	~~~~~~	498240
cogaçageeg	acyaccacaa	Caataataaa	acqtcccata	cttttaaaac	Otoomant.	498300
ceeggeggee	cegergraar	gaacttctaa	tttccaattt	CCacaaacat	* * * * * · · ·	498360
gcccacacaa	aaacttcagg	agattttgtc	tacttgtgtc	teteatetee	ctgccttttc	498420
	_ , , , , , , , , , , , , , , , , , , ,				· · · · · ·	

-						
aatattctct	ttcaaacgga	tatgggattc	aaaaatatct	gcaaacaagg	ctctcagcta	498540
caccigaate	gcatttttcc	ggaacgaata	ctagctcgaa	aattaaaaaa	ctatacasa	498600
agetateee	gaactgetet	taccatagaa	gtactggtat	cctcaatctt	aggaggtett	498660
aaggttatt	tyatecettg	cgcttctaca	tatgctgcct	tgaccctacc	cctacgggct	498720
CLCLCLaacg	ctataaaaac	aaaaagctgc	caacatcttg	cttcgtatgc	tatoocttoo	498780
Cultural	LCCCCacgac	tgctgtgatt	atcggtctgg	tetttagtet	ggtctttatc	498840
cccccccag	ligicitat	ctccttgggg	cttctcatgt	ctgtaactac	tagcottacc	498900
CCCCCCaag	rgcataaaaa	tetttteece	ccgtatgagc	ctccaccctc	aceacctcac	498960
acycecee	calligetga	tgagtatgtc	cctctcataa	gcgagtctta	tttcgactaa	499020
aagttccaaa	taaaaataac	ttaaagtttt	agttaaaaat	ctottaagat	tttaacaaat	499080
addellate	taataaaaaa	gttaagactc	agaagaaaag	agaactaact	agatoctatt	499140
adalcttata	atagtatgaa	atatatccta	tgaatgaaaa	ttcatgggcc	taatgataat	499200
tacagtaagt	tgatagtatg	agccaacccc	ctataaaccc	tttaggtcaa	cctcaagttc	499260
Cigcagcagc	atccccatca	gggcagccaa	gcgtggtaaa	acqtttaaaa	acqtcatcca	499320
cagggreatt	caaaagattt	attactgttc	ctgataaata	tcctaaaatg	cactatatat	499380
acgacacagg	cattattgcc	cttgcggcaa	ttgcgatcct	ttcgattctc	Ctgactgctt	499440
caggaaacag	ccttatgctt	tatgctctcg	ctccggcact	taccctaaaa	actitaggag	499500
LLactetact	tatttetgat	attctggaca	gtccgaagcc	aagaaaatcg	gtgagggaat	499560
cactyctate	gregreecta	tcattgtatt	agcgattgct	gcgggtctta	ttgcagggg	499620
tttegttgee	tctagtggga	cgatgttagt	ctttgccaac	cctatottto	tcatgggatt	499680
gattacggtg	gggctatact	tcatgtcctt	gaataagctc	accttagatt	atttccgtag	499740
ggaacacctc	ttgaggatgg	aaaagaaaac	ccaagagacc	gcggacctat	totagtgact	499800
ccatccgccg	acgatgcaaa	aaaaatcgca	gtggaaaaga	aaaaagatct	ttctgcatct	499860
geeegeargg	aggaacacga	agcttcacaa	cgccaagatg	cccqtcatcq	taggateggt	499920
cyggaggete	aaggatettt	cttctattcg	tcacgaaatc	ctgagcatag	acgctccttc	499980
ggcagccccc	cacgttttaa	aacaaaaccc	tcagatgcgg	cttctacaco	accognates	500040
acaagteete	catttaagga	cgattttcag	ccttatcact	tcaaagattt	aagaagcagt	500100
teatteggta	grggagcgag	cagtgcgttt	acacccataa	tgcctgcaag	Etcccacter	500160
cctaatttet	ccacggggac	ggttctacac	cctgagccgg	tctaccctaa	gggaggaaaa	500220
gaaccctcaa	ttcctcgagt	ttcttcatct	tcccgccgtt	cccctcqtqa	tegecaagat	500280
aaacagcagc	aacagcaaaa	tcaagatgaa	gaacagaaac	agcaatctaa	gaagaaaagc	500340
gggaaaccga	atcaatctct	taaaactccg	cctccagacg	gaaaaagcac	ggctaacctc	500400
agecceteca	atccattctc	tgacggttat	gacgaaagag	aaaaacggaa	acacagaaag	500460
aacaaataag	gatccgtggt	ttagataacc	atcttcctta	ctctctctt	ctaaaattca	500520
agaaggteta	aaagcaaaac	cgcttgtaca	ccttctcccc	tacccttaag	catttccctt	500580
acttctata	ggactcttaa	atatagaaaa	ataccttaaa	tgcttctctc	ccaagattga	500640
tattaataca	actgagagtc	ttetecagag	catttacttg	atttatttaa	ctgtattctc	500700
tecceasage	ccatgeteet	aaagccacat	gctatgggag	tatttttgat	aaaaagcttt	500760
ctccctacat	cacatgaaat	attettace	ttggctactt	acctcttcgg	ctttagtttt	500820
tagtagtagt	ccactaatgg	ctgctaacac	ggatctctca	tcatccgata	actatgaaaa	500880
ctacactctc	ggtagcgcag	tatteactge	caaggaaact	tcggatgctt	caggaactac	500940
aagctgtttt	actagcgatg	gagagagaga	gaatgtatct	gcaattactc	ctgcagataa	501000
tctccaaacc	acaaacacag	gaggagcact	gagttttgtt	ggagctgatc	actcattggt	501060
ttctttctca	atagcgctta	cycatyaty	tgctgcaatt	aacaatacca	acacagctct	501120
caacaaaaat	ggattctcgt	tananantan	cgactcagct	ccagcaacag	gaacttcggg	501180
taccaatata	gctatttgtg	ryacaaatac	agagggaggt	actgcgactt	ttactgacaa	501240
Cagcatcgat	accetecaaa	ctaccacacac	agaaaaagac	ggagctgcag	tttctgccta	501300
aaatggcggg	cttgctaaga	dtacadcaaa	gactagacta	gatcaaaata	ctagcacaaa	501360
gacettetee	gccctctgta tcaaatactg	ctacageuda	actacage	caaggaaact	caggaacggt	501420
tagcacgcta	gatgccaata	cadagacaa	taccttcaaa	acctactcaa	aagaaaagga	501480
gagtacttaa	agctctgatg	acaatcttcc	tettaccas	andatactg	caaagacggg	501540
ggaaaataaa	acaaccggct	cadcadcaca	ggcaataa	aacactcaag	tactttttca	501600
aatctgttgt	tatcttgcta	cadcaacada	caaaactcc	ttaggantt	graggagge	501660
agaaatgagc	ttcactagta	atacaacaac	tacastart	draggedatet	accagaatca	501720
atgtactctg	gatggaaaca	caactettae	cttccatcac	aatactccc	caccactaa	501780
tggcggagct	atctatacag	aaactgaaga	ttttctctt	aacactycya	cagcaggatg	501840
gaccttcagc	acaaatacag	caaagagaga	Caacacctts	tattetasse	aaaaaaaaa	501900
gctgactgga	aataccaacc	tactettte	adddaacaaa	actacaaaag	COROTERE	501960
ttcagcaaat	caagagggtt	gcggtaaaac	aatcctatcc	tttcttcact	Cadcatattc	502020
aagtactaaa	aaaggactct	ggattgaaga	taacgaaaac	gtgagtctct	ctaataataa	502080
tgcaacagta	agtggcggtg	cgatctatoc	gaccaagtgt	gctctgcata	Gaaacacac	502140
tcttaccttt	gatggcaata	ctgccgaaac	tgcaggagga	gcgatctata	Caccacacac	502200 502260
				27222224		502260

*** : . . .

agcaggggct ctacatacta aaggaaatac ttcctttacc aaaaataagg ctcttgtatt ttctggaaat tcagcaacag caacagcaac aacaactaca gatcaagaag gttgtggtgg 502380 agegateete tgtaatatet eagagtetga eatagetaca aaaagettaa etettaetga 502440 aaatgagagt ttaagtttca ttaacaatac ggcaaaaaga agtggtggtg gtatttatgc 502500 tcctaagtgt gtaatctcag gcagtgaatc cataaacttt gatggcaata ctgctgaaac 502560 ttcgggagga gcgatttatt cgaaaaacct ttcgattaca gctaacggtc ctgtctcctt 502620 taccaataat tetggaggca agggaggege catttatata geegatageg gagaaettte 502680 cttagaggct attgatgggg atattacttt ctcagggaac cgagcgactg agggaacttc 502740 aactcccaac tcgatccatt taggtgcagg ggctaagatc actaagcttg cagcagctcc 502800 tggtcatacg atttatttt atgatcctat tacgatggaa gctcctgcat ctggaggaac 502860 aatagaggag ttagtcatca atcctgttgt caaagctatt gttcctcctc cccaaccaaa 502920 aaatggteet atagetteag tgeetgtagt eeetgtagea eetgeaaace caaacaeggg 502980 aactatagta ttttcttctg gaaaactccc cagtcaagat gcctcgattc ctgcaaatac 503040 taccaccata ctgaaccaga agatcaactt agcaggagga aatgtcgttt taaaagaagg 503100 agccacccta caagtatatt ccttcacaca gcagcctgat tctacagtat tcatggatgc 503160 aggaacgacc ttagagacca cgacaactaa caatacagat ggcagcatcg atctaaagaa 503220 totototgta aatotggatg otttagatgg caagogtatg ataacgattg cogtaaacag 503280 cacaagtggg ggattaaaaa tctcagggga tctgaaattc cataacaatg aaggaagttt 503340 ctatgacaat cctgggttga aagcaaactt aaatcttcct ttcttagatc tttcttctac 503400 ttcaggaact gtaaatttag acgacttcaa tccgattcct tctagcatgg ctgctccgga 503460 ttatgggtat caagggagtt ggactctggt tcctaaagta ggagctggag ggaaagtgac 503520 tttggtcgcg gaatggcaag cgttaggata cactcctaaa ccagagcttc gtgcgacttt 503580 503640 agtteetaat ageetttgga atgettatgt aaacateeat tetatacage aggagatege cactgegatg teggaegete eeteacatee agggatttgg attggaggta ttggeaaege 503700 cttccatcaa gacaagcaaa aggaaaatgc aggattccgt ttgatttcca gaggttatat 503760 tgttggtggc agcatgacca cccctcaaga atataccttt gctgttgcat tcagccaact 503820 ctttggcaaa tctaaggatt acgtagtctc ggatattaaa tctcaagtct atgcaggatc 503880 tototgtgot cagagotott atgtoattoc cotgoatago toattacgto gocacgtoot 503940 ctctaaggte cttccagage teccaggaga aacteeett gtteteeatg gtcaagttte 504000 ctatggaaga aaccaccata atatgacgac aaagcttgcg aacaacacac aagggaaatc 504060 agactgggac agccatagtt cgctgttgaa gtcggtggtt ctcttcctgt agatctaaac 504120 tacagatace ttaccageta etetecetat gtgaaactee aagttgtgag tgtaaatcaa 504180 aaaggattcc aagaggttgc tgctgatcca cgtatctttg acgctagcca tctggtcaac 504240 gtgtctatcc ctatgggact caccttcaaa cacgaatcag caaagccccc cagtgctttg 504300 504360 cttcttactt taggttacgc tgtagatgct taccgggatc acceteactg cetgacetee 504420 ttaacaaatg gcacctcgtg gtctacgttt gctacaaact tatcacgaca agctttcttt 504480 gctgaggctt ctggacatct gaagttactt catggtcttg actgcttcgc ttctggaagt 504540 tgtgaactgc gcagctcctc aagaagctat aatgcaaact gtggaactcg ttattctttc taagattete egagaatett agaaaaacat aetttttata aagatgaata egttattgag 504600 504660 ategeactgt agggtateag agggggaggg catecetet teateaaaga gattettagg 504720 atccgtatga agagaagtaa aagatccgcc atccttgggg ttctgattct ccgcatcaat 504780 caatteettg egttteeett gatttettt tttetttaca gtatttgeta atttaattte 504840 cttgtttcaa aaaagtgctt acaaatgaag teetetgtet ettggttgtt ettttettea atcccgctct tttcatcgct ctctatagtc gcggcagagg tgaccttaga tagcagcaat 504900 aatagctatg atggatctaa cggaactacc ttcacggtct tttccactac ggacgctgct 504960 505020 gcaggaacta cctattcctt actttccgac gtatcctttc aaaatgcagg ggctttagga ~505080 attocottag cotcaggatg ottoctagaa gogggoggog atottacttt ccaaggaaat caacatgcac tgaagtttgc atttatcaat gcgggctcta gcgctggaac tgtagccagt 505140 acctcagcag cagataagaa tcttctcttt aatgattttt ctagactctc tattatctct 505200 505260 tgtccctctc ttcttctctc tcctactgga caatgtgctt taaaatctgt ggggaatcta tctctaactg gcaattccca aattatattt actcagaact tctcgtcaga taacggcggt 505320 505380 gttatcaata cgaaaaactt cttattatca gggacatcte agtttgcgag cttttcgaga 505440 aaccaagcct tcacagggaa gcaaggcggt gtagtttacg ctacaggaac tataactatc 505500 gagaacagce ctgggatagt tteettetet caaaacetag cgaaaggate tggeggtget 505560 ctgtacagca ctgacaactg ttcgattaca gataactttc aagtgatctt tgacggcaat 505620 agtgcttggg aagccgctca agctcagggc ggggctattt gttgcactac gacagataaa 505680 acagtgacte ttactgggaa caaaaacete tettteacaa ataatacage attgacatat ggcggagcca tctctggact caaggtcagt atttccgctg gaggtcctac tctatttcaa 505740 agtaatatct caggaagtag cgccggtcag ggaggaggag gagcgatcaa tatagcatct 505800 505860 gctggggaac tcgctctctc tgctacttct ggagatatta ccttcaataa caaccaagtc accaacggaa gcacaagtac aagaaacgca ataaatatca ttgataccgc taaagtcaca 505920 tegatacgag etgetacggg geaatetate tatttetatg ateceateae aaatecagga 505980 accgcagctt ctaccgacac attgaactta aacttagcag atgcgaacag tgagatcgag 506040 506100

gcaaacgtca cctctactat ccgacaacct gcagtattag cgcggggaga tcttgtactt cgtgatggag tcaccgtaac tttcaaggat ctgactcaaa gtccaggatc ccgcatctta 506220 506280 atggatgggg ggactacact tagtgctaaa gaggcaaatc tttcgcttaa tggcttagca gtaaatetet eetettaga tggaaccaac aaggeagett taaaaacaga agetgeagat 506340 aaaaatatca gcctatcggg aacgattgcg cttattgaca cggaagggtc attctatgag 506400 aatcataact taaaaagtgo tagtacctat cotottottg aacttaccac ogcaggagee 506460 aacggaacga ttactctggg agctctttct accctgactc ttcaagaacc tgaaacccac 506520 tacgggtatc aaggaaactg gcagttgtct tgggcaaatg caacatcctc aaaaatagga 506580 agcatcaact ggacccgtac aggatacatt cctagtcctg agagaaaaag taatctccct 506640 ctaaatagct tatggggaaa ctttatagat atacgctcga tcaatcagct tatagaaacc 506700 aagtccagtg gggagccttt tgagcgtgag tatggctttc aggaattgcg aatttcttct 506760 atagagatte tatgeceace egecatggtt teegecatat eagegggggt tatgeactag 506820 ggatcacage aacaactect geegaggate agettaettt tgeettetge cagetetttg 506880 ctagagatcg caatcatatt acaggtaaga accacggaga tacttacggt gcctctttgt 506940 507000 atttccacca tacagaaggg ctcttcgaca tcgccaattt cctctgggga aaagcaaccc gagcteeetg ggtgetetet gagateteee agateattee tttategtte gatgetaaat 507060 tcagttatct ccatacagac aaccacatga agacatatta taccgataac tctatcatca 507120 agggttcttg gagaaacgat gccttctgtg cagatcttgg agctagcctg ccttttgtta 507180 507240 tttccgttcc gtatcttctg aaagaagtcg aaccttttgt caaagtacag tatatctatg 507300 cgcatcagca agacttctac gagcgttatg ctgaaggacg cgctttcaat aaaagcgagc 507360 ttatcaacgt agagattcct ataggcgtca ccttcgaaag agactcaaaa tcagaaaagg 507420 gaacttacga tettaetett atgtatatae tegatgetta eegaegeaat eetaaatgte aaacttccct aatagctagc gatgctaact ggatggccta tggtaccaac ctcgcacgac 507480 507540 aaggtttttc tgttcgtgct gcgaaccatt tccaagtgaa cccccacatg gaaatcttcg 507600 gtcaattcgc ttttgaagta cgaagttctt cacgaaatta taatacaaac ctaggctcta 507660 agttttgttt ctagattatc gaaaacgtgt taattaattg aacccaagca tctttctatg 507720 aaaataccct tgcacaaact cctgatctct tcgactcttg tcactcccat tctattgagc 507780 attgcaactt acggagcaga tgcttcttta tcccctacag atagctttga tggagcgggc ggctctacat ttactccaaa atctacagca gatgccaatg gaacgaacta tgtcttatca 507840 507900 ggaaatgtct atataaacga tgctgggaaa ggcacagcat taacaggctg ctgctttaca 507960 gaaactacgg gtgatctgac atttactgga aagggatact cattttcatt caacacggta 508020 gatgegggtt egaatgeagg agetgeggea ageacaaetg etgataaage eetaaeatte 508080 acaggatttt ctaacctttc cttcattgca gctcctggaa ctacagttgc ttcaggaaaa 508140 agtactttaa gttctgcagg agccttaaat cttaccgata atggaacgat tctctttagc 508200 caaaacgtct ccaatgaagc taataacaat ggcggagcga tcaccgcaaa aactctttct 508260 atttctggga atacctcttc tataaccttc actagtaata gcgcaaaaaa attaggtgga 508320 gcgatctata gctctgcggc tgcaagtatt tcaggaaaca ccggccagtt agtctttatg 508380 aataataaag gagaaactgg gggtggggct ctgggctttg aagccagctc ctcgattact 508440 caaaatagct cccttttctt ctctggaaac actgcaacag atgctgcagg caagggcggg 508500 gccatttatt gtgaaaaaac aggagagact cctactctta ctatctctgg aaataaaagt 508560 ctgacetteg eegagaacte tteagtaact caaggeggag caatetgtge eeatggteta 508620 gatettteeg etgetggeee taccetattt teaaataata gatgegggaa eacagetgea 508680 ggcaagggcg gcgctattgc aattgccgac tctggatctt taagtctctc tgcaaatcaa 508740 ggagacatca cgttccttgg caatactcta acctcaacct ccgcgccaac atcgacacgg 508800 aatgctatct acctgggatc gtcagcaaaa attacgaact taagggcagc ccaaggccaa 508860 tctatctatt tctatgatcc gattgcatct aacaccacag gagcttcaga cgttctgacc 508920 atcaaccaac cggatagcaa ctcgccttta gattattcag gaacgattgt attttctggg 508980 gaaaagctct ctgcagatga agcgaaagct gctgataact tcacatctat attaaagcaa 509040 ccattggctc tagcctctgg aaccttagca ctcaaaggaa atgtcgagtt agatgtcaat 509100 ggtttcacac agactgaagg ctctacactc ctcatgcaac caggaacaaa gctcaaagca 509160 gatactgaag ctatcagtct taccaaactt gtcgttgatc tttctgcctt agagggaaat 509220 aagagtgtgt ccattgaaac agcaggagcc aacaaaacta taactctaac ctctcctctt 509280 gttttccaag atagtagegg caatttttat gaaagecata egataaacea ageetteaeg 509340 cageetttgg tggtatteae tgetgetaet getgetageg atatttatat egatgegett 509400 ctcacttctc cagtacaaac tccagaacct cattacgggt atcagggaca ttgggaagcc 509460 acttgggcag acacatcaac tgcaaaatca ggaactatga cttgggtaac tacgggctac 509520 aaccctaatc ctgagcgtag agcttccgta gttcccgatt cattatgggc atcctttact 509580 gacattegea etetacagea gateatgaca teteaagega atagtateta teageaaega 509640 ggactctggg catcaggaac tgcgaatttc ttccataagg ataaatcagg aactaaccaa 509700 gcattccgac ataaaagcta cggctatatt gttggaggaa gtgctgaaga tttttctgaa 509760 aatatettea gtgtagettt etgeeagete tteggtaaag ataaagaeet gtttatagtt 509820 gaaaatacct ctcataacta tttagcgtcg ctatacctgc aacatcgagc attcctagga 509880 ggacttccca tgccctcatt tggaagtatc accgacatgc tgaaagatat tcctctcatt 509940

•	*					1098/01890
tatcctgaa	g ctcaaggct	ttggaccaat	aactctggg	ctctagage	cggaggatct	E10000
	c weeceeeee	ayaaycacco	I FFCFFCCacc	· ~~+++		510060
	, accadage	- CCaacaaaaa	: FFFAAAGaG:	· ~+~~~~~+~-		510120
	, and acceraci	. yaactuctc	arcccratec	1 7722++222++		510180
	, aaaaaaaacacac	Lucuayatt	CCCCEAGCC	. acattaata-		510240
	geeegegeat	, cttttttaamn	T CACTOCAC	*		510300
	, caegacaage	- CLLCLLauca	adrocronaa	1 CCC2+C+C		510360 510420
	, ccccgggg	agelycetat	gagettegro	r octoadcaca	antation	
22	, ggccaagaca	Licalichan	TECCTACTE	- CC+CCC+		510480
334466666	Ladadacccc	. gragattett	- aacttactac	tctctcc++		510540
	- weegeageac	. ytyytydaac	aatttottaa	accacctata	~~~	510600
-54446666	, cecetating	LLLLLaatet	catcatcttt	adcacttccc	****	510660
	, gullygulygu	. uttuttaaaa	traatctadd			510720 510780
3	· ccacacccc	Ccagcccaaa	caacaaatoc	anatmmaant	5 to 5 to 5 to 5 to 5 to 5 to 5 to 5 to	510780
	. egeccaaac	accaacucan	garcrccac	コペペナペナュュュー		510940
	. cacegggaat		aaqqccacqq	Ctaccaatte	CtCCtcccc	510960
	gggagcgaac	Lycaccitica	ccaatacacc	tocasatasa	0++0+=+=+	511020
ceceaggate	. Cicciality	tcactaatac	aaaccaccaa	tactaccasas		511020
	cacaggaget	LULLCLATEC	agregaacta	+=~++~~+~~	4- 4- 4	511140
	. cgacaatgga	gucucccccc	aaggcagete		*	511200
	geeegeedaa	aacaaaacaa	COCAAAAAAA	aaataaaata	de made de la la la la la la la la la la la la la	511260
3-333	uuccaacaac	acyttaaact	cadcatcatt	ttctcasast		511320
	agecatitat	acygaageta	gcagttttat	tagcagcaac	2222224	511380
3	caacagtgtg	accodeaacct	Cadctacadd	CCC2CC2++	* ~ ~ * ~ * · · ·	511440
geacaccage	ccccaaacca	gicttaactc	tatcagacaa	Cadadaacta	2200000	511500
y-accase age	uuttactagt	ggradadda	ECCatactda	Caatctagtt		511560
3-39466646	gerecetaaa	aacaactctg	ctatagatac	tacaactece	ttaggagaga	511620
	cyclyactic	ggalcttta	gedetecaac	tettaataaa	~~~	511680
	cacageagee	adaqqaqctt	CEECGagtca	Maccachaca		511740
	uuucaccaac	yctaagattg	tacagetgeg	agceteteaa	CCC22tacta	511800
4000000000	cyaccctata	acaactagca	CCactacaac	teteteagar	act ct	511860
cadacggccc	cgaccccgca	gggaatcctg	catatcaagg	aaccatcota	ttttctcc	511920
-Juage cocc	ggaagcagaa	gctgcagaag	ctgataatct	caaatctaca	attenden	511980
ccttttccca	tgcgggaggg	tatagetete	ttaaatcagg	agtcactcta	gttgccaagt	512040
ctgatggatc	atctccgggc	Statettete	tcatggatgc	agggaccaca	ttagaaaccg	512100
ntacoctaaa	actatcaata	accigiteee	aatgtagatt	ccttaaaaga	gaccaagaag	512160
tagateette	agcaacacaa tggaaatgtc	taccaaccaga	tatatt	atctggatcg	ctctctcttg	512220
gtctcactct	tggaaatgtc	"accedence	atatta	taaccctcaa	gtcttttctt	512280
ccctagaaaa	tactgctgac aaatcctatc	catteegega	acattcacat	cacagactta	gctgctgatc	512340
aggatactqc	aaatcctatc gactaaatcc	aaacacca	ctcttaget-	ttgggcatta	tcttggcaag	512400
cgaatcctga	gcgtcgtgga	accttagttg	Ctaacacact	gacaaaaaca	ggatacaatc	512460
tgcgctccat	acaacagctt	gtagccacta	aagtacgcca	arggggarcc	tttgttgatg	512520
tctggtgtga	agggateteg	aacttcttcc	ataaacatac	accicaagaa	actcgcggca	512580
ttcgccacat	aagtgcaggt	tatottotag	gaggagag	acquagata	aacaaaggtt	512640
ttatcactgc	agccttctgc	caattattcg	ggaaagatag	agatcacttt	ctgataatc	512700
ugugueeec	rgettatgea	gcttctcc	atctccacca	tetagggaag		512760
-uuge eegee	acyclaccii	cctggatctg	aaaataaaca	acctatacta	And the American Advances of	512820
	cacctatage	adadatacta	LOBBBBCCta	ttacaccca		512880
gagagaacca	grygraraar	qacqqttqca	Ctctggaact	tacasactas		512940
o e go e e e e e e e e	ccargagggr	CTCTTCCACG	COTATTTCC	+++c>+a>		513000
cgcacacaca	ccaayatage	ttcaaagaac	Otaatactac	cttaataaaa	A	513060
geggegatet	aactaacgtc	tctqtqccta	ttggaattac	cttcaaaaa	++ -+ ·	513120
acgagegege	gucuacyaa	gctactqtca	TCtacqttqc	coatotetat	CC+	513180
cegacegeae	gacagetete	ctaatcaaca	atacetegta	gaaaactaca	GG330G3-+-	513240
ccccaagaca	agetggtate	ggaagagcag	ggatettta	tacettetet	CC2222444	513300
aggicacaag	Laacctatct	atggaaattc	gtggatcttc	acquagetac	22+000	513360 513420
ceggaggeaa	geeccageec	taaaagcgtt	CCtdatccct	tagaaattas		
gagigialit	ayyyacttct	caaaqacaat	acaccttatt	tagacgagga	~~~~	513480 513540
gaccagagga	acctaagaac	tagaaaaaat	cccagattac	aagaggtcga	acattonn-	513540
aageegeeag	accacaagaa	agaatgggca	gagtacgtga	teteaccase	taaman	513660
ccagaaccca	aagactttt	agtatactaa	gactqtctat	gatccaatag	CC3333~~	513720
cegaacace	adatgttttc	tatgatccga	aaactcttag	agtcgataaa	aactccggat	513720
						777100

trettenere.	artotatore	ata=at====				
aagtototot	attctatggt	acetaca	agaagcaaac	ccacattgcg	ggctcaaaga	513900
atetteaata	aagggaatgt	agetegeage	cccataaata	cgagaaacca	cagcatctcg	513960
acciticaata	caagaatggt	tgctggagat	caatcccaag	cagacgtgtt	tctctccaga	514020
gacgtaaget	aaaggctcag	cacctcctga	atacttatca	tcaagagccc	aataatagtg	514080
ataactatcc	acatcggtct	tagcaaataa	aggctcctct	atagaatcat	aagctcgtct	514140
agagaaaaac	tcggcctgat	aatcaccacg	acagacatgo	agacttacaa	aaagatcctc	514200
gggtctatcc	ttcatcacta	aattatggat	ccataaaaac	tgttctaaaa	tttcctgcaa	514260
cctgtcatga	gaatcaacac	cataccaaga	aggcgctcgt	atatccaaga	ggcgacacca	514320
agcacaatcg	tccaactgca	aattacgaca	acctgcagca	taaagatctt	ggatgacttg	514380
gcgataataa	aagacaatat	catcaattag	ctcttgattc	gtaggataaa	acttccgagt	514440
atttttcaga	ttaggagcaa	aaatcatctc	atggaaaaat	tgtgatggag	aaggaatcgt	514500
ttgttttgct	tttgcatttc	ccttctcaaa	agttttgaca	aactcgaaat	gttctataaa	514560
cggatgtttt	gatacggaga	ttttatcttt	aagatacact	ccaatttcag	ggtcattaga	514620
gtccctgcga	cgatccacgc	catggaatcc	ccacataaag	tcgaaatccc	aactatacct	514680
acggaattcc	ccatcagtaa	aaaagataag	acctgcttct	gtttgctttt	ttatgagatt	514740
acgaatagca	gcatcttcga	caactcgcat	ctgctcatag	acaattcttc	cttcttcaaa	514800
atcagagcgt	gctcgtgtaa	gactttcagg	acgtaagaaa	cttcccacaa	catcaaaatg	514860
acattgctca	ggttgttgga	atgggctcat	catttccatc	cttagagatg	atcctaataa	514920
aatacatttc	cactcatgga	tctctcttct	cgatggttga	ataaattaaa	gacaagaaaa	514980
cagctagatc	aaaacataaa	gtacgattgt	aaaagttact	gcctgagggg	aatotoacaa	515040
atcttaggat	gggtgtaaca	acaccccttc	ccttaaaaaa	gaaagagacg	taccotctct	515100
gcaactctaa	tctttgcagc	tattctctat	aagaagcata	acaaaaacca	cttaaaarrr	515160
aggatctaaa	aatagtgaat	tatcttattc	aataagaatt	aaagaaacgt	attttaaaga	515220
acgggtttct	attaaaaaat	ttccttaatt	ttaaaacgtg	tttgtaacaa	gaaaggcaga	515280
gtacgtgacc	tcacgaactc	tgccctcttg	cctttttaat	ccccgatctc	tecteattea	515340
aaaacaaggt	gagtcgtgtt	taagaaaatc	ctaaatgcga	tctctctcag	aatttctgag	515400
acatgagaga	cgctcctaga	attggaactt	acccccaaga	tctacattat	aaatccotgag	515460
ggatccacga	acttcaaaga	caaactggcc	gagcacttca	aacataggag	adaccegega	515520
gtgactgcct	gcacgcactt	gcaaggcctg	tcgtgctaag	ttattggcat	aadtttccca	515580
agaggeteeg	ctgattacaa	gtgctgtagt	gcatttggga	tcattgcgga	taagatcaga	
aacataggat	aaagtcagat	cataagaaaa	gtcattacaa	tcacagaga	totoasactt	515640
cacccctata	ggcaaagata	aattgaagag	gttgctgtca	tcaaaagatc	tteettetet	515700
acctttctcc	gagaagctgt	cctgacgtat	ataggtcaga	ttcagtttga	tatatagaga	515760 515820
ataggtatca	aaacaatgca	ggtattcagg	ataagaatga	gaagaagete	cgtatggage	
gttaaaagca	ttattcccc	aagaaccttt	cacctcacca	tacqcaqtat	actitates	515880
cagatcatta	ctgacgtggc	tataagcgag	ctaccettet	aaaaccaacca	attatasat	515940
ccaagagcca	ggaagtttat	ctaagagaca	acctatorac	ccactacatt	gtttatgact	516000
ttggatatag	aaggctcctg	catagggata	actatoattt	ttagggagta	cigcaatgtg	516060
atcgctacca	aagagttggc	aaaaaacaaaa	agtatgatet	ttttaaaaaa	agaaatcttt	516120
tgcacctccg	atagcatatc	caccacattt	atracratat	ttaaattta	aagtttgcgc	516180
atctttatct	aagaaattgg	caecagaccc	acgacygtat	cogegeeee	ccccttctt	516240
caaagcactt	ctctctatca	Caccttgaat	agectagaag	teregatetg	aacaaagagt	516300
cctattagga	ctctctatga	cttgacctc	agattage	ccigaaaaag	accccaaag	516360
agctaatgtc	actaaaggtc gctgtcttag	tetttagagt	aggattegga	aggrageceg	tattggtcca	516420
ccaagtacct	tgatacccat	agtaggtage	gertgeggta	LCatcaaccc.	aagtcattcc	516480
tataattatt	ncantacccat	agegegeagg	agrigeract	graggaaccg	ctggaacatc	516540
taadtootaa	gcagtaccca	gagcagagag	ctycacaaat	gaaaagtett	gagtttttcc	516600
cadgecgega	ttttcataag	caccecetty	gitateeaaa	agaagaatcg	gaccactaag	516660
gtctacacce	ttacttgctg	cagaagcagc	aattacaact	ttcttacct	cgcctaaaga	516720
gcccacagga	atggaaagac	cigitaaagt	gacctcctct	gracttgctt	ttaacgttgt	516780
gecegeatet	ataataacag	aggaacecge	ggtctgagta	aagcctttcg	tatcgagagt	516840
agtgaggettg	ttaagtacta	aacttcctgc	agttagagtt	acaggctgct	tcagcgtaga	516900
agegaggeeg	tctgcaactt	ttgcttcatc	ttcagagagc	ttttcaccag	aaaaaacaat	516960
egacccacta	taatctgtac	cattactgc	accageetta	ctgagattta	aagtatctgt	517020
ayaatccgca	gccgtattag	cagtaatcgg	atcgtagaaa	aagatgctat	gcccagatat	517080
tectorial	ttcgtgatct	ttgcagtaga	tcctatgtca	atagaatttc	ttttcgtagt	517140
Ligiggigia	gttgcaacaa	tggcattccc	attgaaggta	atgtcccctg	cttctgctga	517200
aagactacac	tctccagctg	ccagtataga	aatggctcca	ccattacctg	cagtggtacc	517260
ttggactata	ttgttagaaa	aggagatacc	cccccccc	cccggaagcc	agtgtaagct	517320
cottagcata	aatggctccg	ccattagcta	cagcttggtt	tectgagaaa	gttacactct	517380
gatteccaga	tatggtaaca	teggeatete	cagaaagagc	tcctccattt	cctgcggtcg	517440
ctgtcacact	attttcagaa	aatacaagag	acgtattccc	tgtaattgta	cagtttcctg	517500
egetatttat	agetceacet	gcagcttcag	caatattgtt	cgagaagagg	gtaggagccg	517560
cattatttgt	aatatctaca	gtaccagtag	cacaaatagc	cccacctttt	ttccctgttg	517620
				~***		F 7 7 C 0 0

ttatasaat	gtccgccatt	ttcctcacac	g taatcttgtt	taaataaaat	agttccattg	517740
	,	· LCCacalle	1 acrocacet	- ++~~+~~~		517800
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	. uaaautaaua	LCCCGAAAA+	· ^+^++-~~~		517860
J J		. ucucccca	l Cacradact:	. ทุรครุยยะ		517920
~	- accegecaaag	Lilaaayatt	. ccaraatata	. 20222222		517980
233-	- weeeccuagg	LLLLUCAUAO	LECATATORO	· +~+~~~~~		518040
	. accecagga	grataggree	: CEatarteant	acttccctco	22	518100
2222	- wassesaged	gulycaydaa	aaacantnna	acaactagta	2222	518160
	· gagcactaac	Caqqaaaatt	gcgatttcat	. 33300030++	44 marks and 1 a	518220
	, cyccatataa	aatadaaaac	TCAGAGAGEC	· 22/22/22/22	And American State of Control of	518280
		Lyattlacti	accentere	·	~~~~	518340
	. aaaaagcacca	CCaluaduac	CECGATTCCT	* *********	+ + +	518400
35-0000	coatgicace	Lacadicact	agctaaccac	. Maanttttat	0 D 0 - 4 1	518460
	ggaaatattg	attcaggaac	gtttactcca	aaaacttcac	00000	518520
	ggagatgttt	LCCCCCLacga	gcctggaaaa	CCCACTCCCT	t > t = t =	518580
3	caaaccacgg	acaatettac	CEECEEdada	aacaataata	~~++	518640
- 55	gargerggea	Cicalgoagg	- EGCEGORGOA	tctacaacac	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	518700
	ccagggtttt	Cultacidad	EEEEGattcc	teteetagea	000000000000000000000000000000000000000	518760
	ggaacgcttt	CCCCagcagg	addcataaat	ttagaaaata	***	518820
- seascace	gggaactttt	Clactgcaga	taataaaact	atcasaggag	~~+~+	518880
	accectggag	algetettt	Lagraacaac	tetteateaa	00000000	518940
-J	accacageag	gegetegeat	agcaaataac	acaddtnatd	ttagattagt	519000
a b o c a a c a c a	gegeetacge	caggaggcgc	tatcgatgat	gaaggcacgt	CCStsctsts	519060
gaacaacaaa	ciccialatt	ttgaagggaa	tacaacaaaa	actactoror	~ + ~	519120
g	gegageggae	Ciccigaact	gataatctct	aacaataada	CtCtCatct	519180
-3	gtagtagaaa	Caaycoottoo	COCCATICCAT	actaaaaaaa	* > < < < < < < < < < < < < < < < < < <	
	cccacagage	LLCLacgaaa	taatotetea	Ecagcaactc	Ctaaggggg	519240 519300
-your cage	accyacyccc	caygagagct	cagtettet	gcagagagag	Caaacattac	
occog caaga	aacaccccca	caacaaccgg	aagtaccgat	actcctaaac	Ctaatcocat	519360
	agtaatygga	aattcacgga	attacgggct	gctaaaaatc	atacaattt	519420
ceccatgat	CCCatcactt	cagaaggaac	Ctcatcagac	gtattgaaga	tasatasacc	519480
ceeegeggga	gullicaate	catatcaagg	aacgattcta	ttttctccac	222000	519540
~gouguegaa	cttaaagttg	Cigacaattt	aaaatcttca	ttcacgcage	Cagtetocct	519600
	adgitatige	Lacadaaaaa	agtcacttta	CACACCACCA	~~++	519660
-3-39-0990	ceceeeeg	ycatggattc	aggaacgaca	ttatcaacta	caactaaaaa	519720
tattacaatc	acgaacctag	gaatcaatgt	tgactcctta	ggtcttaagc	age eggag	519780
oocaacagca	aaaggtgtt	Cadataaagt	gategtatet	OCCARACTOR	20010211	519840
uuuuggg	adcatttaty	adagtcatat	gttcagccat	gaccagetet	totototot	519900
aaaaatcacg	gttgatgctg	atgttgatac	taacgttgac	atcagcagcc	ttatecetet	519960
gergag	guicetaatt	Layaatacgg	attccaagga	caatogaato	ttaatteena	520020
cacggatata	gctacaaata	caaaagaggc	Cacqqcaact	taaaccaaaa	caccattta	520080
	gaaagaaat	- Lycyttagt	atocaatacc	Ctateeggaaa	tattta	520140
	ctycaatage	LLUCAGAGAT	COOCCCAACE	art atama		520200
	cccccacga	Lydacttcct	gcataagact.	acatanana	2 t a a a a a a a a a	520260
o c c c c c c c c c c c c c c c c c c c	accicciggag	gctacgtcat	Cootooaagt	actoposeta	abaaaaa	520320
	ceegegeee	godatetet	Edetadadae	22242++*+	****	520380
Jacadace	agaacctacg	grygaacttt	attetteaac	Cactetests		520440
-caaaaccac	LLyayaLLaq	yaaqaqcaaa	attttctcaa	tcacctata		520500 520560
999444	CCCCLayCCL	Lygatataca	agetecatec	acceptten		
a a a a a a a a a a a a a a a a a a a	Lacallicat	Luccadaarc	COBROOTECE	taasaassa	and the fact that are the control of	520620
-99-99-44-6	ggcccagacc	LLCCCCCCCC	TCtttccaac.	CCacatacta	* * * * * · · · · · · · · · · · · · · ·	520680
	cagacgaaag	LCydaatggt	TTatotatca -	Caaaatacat	+ a + + a	520740
- cocag cgac	ggccgcgcc	LLAGLACTOO	aaggetgett	a acctotoro	+ + + ·	520800
-3-3-4	gegeaggaga	atattugaga	TTCCTACACC	t = t = = t = t = t = t		520860
og ce eeee gae	gectategea	acaalcccca	atctacacca	actettetea	**************************************	520920
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	arregulata	YUGGLCEEC	AAMACAMACA	++++++	and an are the second of	520980
Quad cacgee	Lacaactica	artytgaget.	Cffcddacat	tacactataca		521040
ccaagg	auctacaaty	Layaldttaa	Taccasacto	casttataaa	* * ·	521100
	LLLagggag	LLLCCCATA	CEFFFAGGGA	2212114444	~ ~ ~ ~ ~ ~ ~ ~ ~	521160
	aaactytaaa	addiaacatt	tatecetet	C22222222		521220
	Lataattila	LLLCaaaaac	agttaaataa	ttaatagaga	~ + ~ ~ + ~ + · ·	521280
		LLULLICE	aagttgcttc	aaccttatta	>+++ ·	521340
gaaaccatga	CCatacttcc	aaactttctt	acctacted	Ctttattcct		521400
4034034074	~~~				-accerced	521460

						1/10/0/010/0
adaagcttag	aacctaaaat	tacctgttat	ccagaaggaa	cttcttacat	ctttctagat	521580
gacgraagga	Lettecaacgt	taagcatgat	caagaagato	r ctaaaatttt	tataaatcoa	521640
ccigggaalc	LLLLLLCat	gggcaaccgt	tqcaacttca	Cttttcacaa	CCttataaaa	521700
gagggccccg	gegetgeeat	ttcgaaccgc	gttqqaqaca	ccactctcac	tetetetaat	521760
CLUCCECACL	Lagogiteac	ctcagcacct	Ctactacctc	aaggacaagg	accoattest	521820
teatagaata	ccgtgatgat	cgaaaatagt	gaggaagtga	ctttctgtgg	gaactactct	521880
ccgcggagcg	gagetgegat	Liatactccc	taccttttag	' gttctaagge	gagtcgtoct	521940
agaggagaacc	tcagcgggaa	ccgctacctg	gtgtttagag	acaatgtgag	ccaaggttat	522000
aaraatcato	tatctaccca	Caatctcaca	ctcacgactc	gaggaccttc	gtgttttgaa	522060
ggatcgatct	cttatcatga	cgtgaatagt	aatggaggag	ccattgccat	tgctcctgga	522120
caadacadaa	ctatatccgt	gaaaagcgga	gateteatet	tcaaaggaaa	tacagcatca	522180
ctacqtqctq	atacaataca	caactccatc	catctgcaat	ctggagcaca	gtttaagaac	522240
cataaaatta	tttcagaatc	aatcaateet	cctatgatc	ctataagcca	tagcgagtcg	522300
attagettet	cagatettgt	cctagataat	cctgaaggaa	aggaaactta	tgaaggaaca	522360
acaatcctac	caggactatg	attagcagga	catgaagttt	gtgcggaaaa	tettaettee	522420
ttgcaactgc	aagatgtcac attcttttaa	accageagga	agetetacee	ctctatcgga	tggggttacc	522480
actctgctct	gctcaggaga	tactcaaatt	cagantata	ctactatgtc	tccaggaacc	522540
gacaactttg	gctcaggaga ttcctgtaag	gattcgcgcc	cagaacccgc	acatectgat	tgaagatacc	522600
aaacttaaag	ttgcctttga	gacttattag	tocatotata	acycectege	ctcattagaa	522660
gcctttacga	ttcctcttct	tgaacttcta	gaggettet	actttcctca	atttaaggaa	522720
gagaccactt	tggagagaac	ccaagtcaca	acadadaatd	ligacagtet	tctcctaggg	522780
tccctaagct	gggaagagta	cccccttct	ctagagaatg	acgeegtteg	aggtttctgg	522840
aagaaaactq	ttttcctcac	ttggaatcct	gagatcadag	ctacagaggat	cacaccaact	522900
ctacactata	attaagggaa	teceetttaa	gagactactc	ggaggtatet	acctctaagt	522960
ataggtccct	ctatgcacac	atgttcacga	atctcaaaca	tagggggatt	gtattcagag	523020
caggttctct	aaaacatctt	catttaggag	aatttcttga	caycyccacc	lictacttta	523080
gccattttct	atcaagtatt	cttctaagaa	agcaatgtaa	gatttttaa	adatagaatc	523140
aaaatatcct	gtaatcttaa	agctgtcaaa	attaagagar	taaaactgtg	tottattata	523200
cttgtttttt	tacagcettt	cccttatttg	taggataato	taatategtg	totacataca	523260
aatgaaaacg	tctattcgta	agttcttaat	ttctaccaca	Ctggcgccat	attttactta	523320 523380
aacagcgttt	actgtagaag	ttatcatgcc	ttccgagaac	tttgatggat	Casatagass	523440
gatttttcct	tacacaacac	tttctgatcc	tagagggaca	ctctgtattt	tttcaggggaa	523500
tetetacatt	gcgaatcttg	ataatgccat	atccagaacc	tcttccagtt	gctttagcaa	523560
cayyycygga	gcactacaaa	tcttaggaaa	aggtggggtt	ttetecttet	taaatatccc	523620
CLCLLCagct	gacggagccg	cgattagtag	tgtaatcacc	caaaatcctg	aactatotoo	523680
cicgagilli	ccaggattta	gtcagatgat	cttcgataac	tgtgaatctt	tgacttcaga	523740
Lacetcageg	agtaatgtca	tacctcacgc	atcggcgatt	tacgctacaa	cacccatact	523800
CCCCacaaac	aatgactcca	tactattcca	atacaaccgt	tctgcaggat	ttggagctgc	523860
caccegagge	acaagcatca	caatagaaaa	tacgaaaaaq	agcettetet	ttaatootaa	523920
eggalecate	tctaatggag	gggccctcac	gggatctqca	gcgatcaacc	tcatcaacaa	523980
ragegeteet	grgartttct	caacgaatgc	tacagggatc	tatggtgggg	ctatttacct	524040
taccggagga	tctatgctca	cctctgggaa	cctctcagga	gtottattca	ttaataatao	524100
LLCGCGCTCA	ggaggcgcta	tctatgctaa	cggaaatgtc	acattttcta	ataacadcda	524160
cotgactttc	caaaacaata	cagcatctcc	acaaaactcc	ttacctgcac	ctacacctcc	524220
techacacca	ccagcagtca	ctcctttgtt	aggatatgga	ggcgccatct	tctgtactcc	524280
attestage	ccccaccaa	caggtgttag	cctgactata	tctggagaaa	acagcgttac	524340
acecctagaa	aacattgcct	ccgaacaagg	aggagccctc	tatggcaaaa	agatctctat	524400
tattecees	aaatctacaa	tatttcttgg	aaatacagct	ggaaaaggag	gcgctattgc	524460
gaaceteage	tctggggagc	tetetetate	cgcaaatcaa	ggtgatatcc	tctttaacaa	524520
caagettage	atcactagtg	ggacacctac	tcgcaatagt	attcacttcg	gaaaagatgc	524580
totgatgatt	actctaggac	tacgcaagge	tataccctat	acttctatga	tccgattaca	524640
Cagatogtoc	tatctctgca	ceegeageeg	ctactgtggt	cgtcaatccc	aaagccagtg	524700
Cagcaaccc	gtattcaggg	actatigiet	tttcaggaga	aaccctcact	gctaccgaag	524760
ctctcacttt	tgcaaatgct	actacctts	atattasta:	gctagaactt	gaaggcggta	524820
ccgtcgtcar	aagaaacggt catggatgca	garacceret	taggasata	cttcacgcaa	gatgaaaagt	524880
acggtgctat	catggatgca	aagetteta	toastotac	aaatggagct	aataatactg	524940
cggctatcar	caccttaaac taatgtgcag	actaccasta	gagetetasa	totate	ggcactaaag	525000
ttgtgaaaaa	ctctcaagat	tactatasce	accaccccac	atttactegga	actttaggac	525060
aagttccgat	tttagaactc	aaagcgactt	Caaatactat	gulldataaa	gatttacagc	525120
teggeacaaa	cggctatcag	caatctccct	ataggtates	addaactacg	yacttcagtc	525180
tagacacgac	aacccatacg	gtcacaggaa	attogaaaaa	aaccoottat	gagittacça	525240
cadaacatct	tactacata	attoctaata	acctatagac	aaacotcata	Catttage	525300

CT GE BOGEG			•			
Cagraatta	agegreage	a gctgatggcg	g aagatgtcco	c tgggaagcaa	ctgagcatca	525420
3 3		- catycyaatc	ataccoord	a tacacacaa	t	525480
-335-33-35	e caccicaci	, aalacctaca	1 Cacocatcac	trraretar	CONTRACTOR CONTRACTOR	525540
	, weagety tt	. acadaticia	i aggattacct	· catacatasa	~~	525600
	, vaccacage	Lacticadia	i UCACCAAGE <i>c</i>	~ FCtattean	+ +	
	, aggeaeeee	. Lyayılaccı	. atadocotac	T Caatraaaa	at	525660
catatacaaa	attgcctaaa	gggcgctact	: cttqqaqtaa	caatgagaaa	ttaggagaac	525720
tcgaagggaa	ccttcccatc	actototot	ctcacatata	. caarigergg	ccaggagaac	525780
cctttgtaaa	agctgaagtt	acttacaca	ctcycatctt	. aaacctcaag	cagatcattc	525840
tennennns	ttttggage	geteatgega	ccarggggg	r catccaagaa	aatacccctg	525900
ttaataaaa	ttttggacac	ggicatciac	tcaacgttgc	: agttcccgta	ggcgtccgct	525960
c cgg caaaaa	· · · · · · · · · · · · · · · · · · · ·	cyaccagatt	. tttacactat	aatcotacco	tataataata	526020
arguetaceg	Clacaticci	gattgcgata	cgacattaco	: tattaatooa	actacataga	526080
	gaataattta	accagaagta	ctttqctaqt	acaagcatco	SCCCETECHT:	526140
cagcaaacga	rgildlagag	accttcgggc	actutugatu	tgatattcgc	adaaceteee	526200
geedacacacac	cctagatata	ggaagcaaat	tacqatttta	aaccttattt	2200202020	526260
cegaggeacg		tcaaatcttc	atctttttat	ctactrocct	atttatata	
cácaaaccac	gegilligerg	agactagact	Cadadagaac	Ettattacta	Caattaggaa	526320
tcagggtgaa	gagatettae	tcacttcaga	ttttatttat	tcaaacttot	taattacgaa	526380
tttttcaagt	tcctttatca	atacttccac	caatototo	ttatta	rgggggcgag	526440
cttaacgttt	acctcttate	aagsteetas	2225255	ttattaggga	agggcctttc	526500
agagactetg	acctcttgtc	attettette	adatagtaac	tatgcgctac	tttctgccgc	526560
acttageage	accttcaaga	accettette	tataaacttt	acagggaacc	aatcgacagg	526620
cactaccase	ctcatctacg	gaaaagatat	tgttttccaa	tctatcaaag	atttgatctt	526680
caccacgaac	cytgingeet	attetecage	atctgtaact	acgreggeaa	Ctcccccaat	526740
caccacagea	actacaggag	cctctgctct	ccaacctaca	gactcactca	CtGtcgaaaa	526800
catattttaa	tegateaagt	tttttgggaa	ccttqccaac	ttcaactcta	Caattaggag	526860
	gragicycia	aattcatcaa	taacaccact	accatgaget	tetecestas	526920
eccaceccg	ccayyaygcg	gcgtgattta	tggaggaagc	tototoofff	ttgaaaacaa	526980
ttctggatgc	atcatcttca	ccgccaactc	ctgtgtgaac	agcttaaaag	acatasasas	
ttcatcagga	acctatgctt	taggaagtgg	Cogagoator	agettadaag	gegecacee	527040
gaattaaaaa	acaatcaggg	gaagtgcacc	ttctcttata	3tantana	gggaactttc	527100
ggtgcgatct	acgccgaaac	CtgCaacatc	gtaggaaa	atygtacacc	aaatgatgcg	527160
agcaacactg	Cadcdadaaa	tagagagaga	gtagggaacc	agggtgcctt	gctcctagat	527220
cacaateeta	cagcgagaaa	tagaaaaa	accigigeta	aagtgctcaa	tattcaagga	527280
ccctctatta	ttgaattctc	cagaaaccgc	gcggagaagg	gtggagctat	tttcataggc	527340
aatattaaat	gagaccctgc	gaagcaaaca	tcgacactta	cgattttggc	ttccgaaggt	527400
actactgcgc	cccaaggaaa	catgctcaat	acaaaaccto	gaatececaa	taccatcact	527460
3 3 aug cug	gggagagat	rgrgrcrcta	tctqcacaaq	gaggeteacg	tettetatet	527520
caegaeeeea	ctacacacag	CCCCCCaacc	acaagtccgt	Ctaataaaga	Cattacaato	527580
adegeraacg	gegeecagg	accigtagic	tttacaagta	agggactctc	CtCtacacaa	527640
ceeegeege	Cryccaacac	gacaactata	Cttctaggaa	cagtcaagat	cactagtaga	527700
gaactgaaga	ttactgacaa	tgcggttgtc	aatgttcttg	acttcactac	tcagggga	
ggtcagctta	ccctgggctc	tggaggaacc	ttagggctag	Caacacccac	ccayyyctca	527760
gccgctgtag	actttacgat	tggaaagtta	gcattcgatc	ctttttact	gygagcacct	527820
gattttgttt	cagcatcagt	aaatgcaggc	30222222	********	cctaaaaaga	527880
gttcttgatg	aacatgacgt	tacagatet	totalaaaacy	teactttaac	aggagctctg	527940
gcaattecta	aacatgacgt	Casagacccc	cacyacacgg	tgtcattaca	atctccagta	528000
gagattgcga	tcgctgtttt	caaaggagca	accettacta	agacaggatt	tcctgatggg	528060
CCCCtattaa	ctccaagcca	trateggerae	caaggaaagt	ggtcctacac	atggtcccgt	528120
actototata	ttccagctcc	tgatggagga	tttcctggag	gtccctctcc	tagcgcaaat	528180
gacatta	ctgtatggaa	ttcagacact	ctcgtgcgtt	ctacctatat	cttagatccc	528240
3-9-9-cacg	gagaaattgt	cagcaacagc	ttatogattt	ccttcttagg	332tonames	528300
ceeeeegaca	cucucaaga	rgrrcrrra	atagatcatc	ccaaattata	cataaccaa	528360
adagecetag	gagectatgt	cgaacacaca	CCaagacaag	dacatdaddd	Cttttaseet	528420
egetatggag	gctaccaagt	gcgctatcta	tgaactacac	ggaccacact	acattacasa	528480
recettegg	geagetteat	ggaaaaacta	acoccaaccc	Ctaccattca	~~++~~+	
aacaaatgta	tttactctcg	ttctttaatc	aattccctat	catasatas	222222	528540
ccttaatttc	ctggaaagca	gcttatggtt	attocasasa	toresteer	aagagcgagg	528600
tcagacctga	caaagctcca	aaatctcaac	accedadaa	tangeradat	accacctacc	528660
ttatttctcc	agaacatoot	ttcctaaace	ggcaatggca	Laacaatagt	cactatgttc	528720
cttgggatct	agaacatcct	atttoom=	gguguettet	cacaagacct	ctggctcaag	528780
Cagaaactoo	ttcaggtttt	acticoggag	aattcctagg	tggttggcaa	agtaagttca	528840
-uguaac cgg	agaccugcaa	CULAUCEERA	atagaggtaa	accetacast		528900
- Jacay gary	ccccccaa	tggttcacac	catttaagaa	ggctccttct.	3 C3 C+ ~~ ~ ~ ~	528960
accege	Ctacaaycct	yatatetate	gtgtcaaccc	tcacaatatt .	atasatata-	529020
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	agagagcact	LUGATUTCAG	gagcaaatct	acgccgccac	TOT T T A T T A	529080
cacaaaccca	Lyalytagta	gatctcaccg	aggacactica	ggcctttcta	330t3t3aat	529140
· · tiacadas	aaatmmattt	acaaaccacc	nantntatan	addactasas	+00202++++	520200

aaaactctaa	actetactt	~~~				
atcatcgaag	acttacca.	tanagettett	tageceeggt	cgtcttagaa	tcctctatcc	529260
Ctctcaagtc	: tatttmassa	Cyaaggccaa	gatteteact	: ctatgagaac	gecececet	529320
agagaataco	atctacttta	gaaagaatat	CETTEGAALO	tatagtctgt	tttggaaaga	529380
acgttgcaat	gacttcactt	atttateast	gaaagcatct	ttcatcaatg	cgattacttc	529440
actcactctc	: Ctctcdattc	teatata	acyttaacaa	ggattatgaa	teettgaaag	529500
gcagcagato	aaactttagg	attenettee	tootect	aggttttatc	tttagagtct	529560
ttaccagaaa	tagacaacac	accoageted	catecteat	. catcagaaat	caaagggtct	529620
tcgaatgctg	Cacagttcac	aataaatata	tastas	ctatttggct	cgctaactta	529680
tcttctatga	Ctatgccctg	accepagigia	tagetettgag	aggtacggac	gatactacta	529740
gatactaaag	catctottac	tgaagestet	acygtatca	tgtctaaatt	tgaaacgtaa aaaaagatcc	529800
ggattgcgga	atctccacac	agactottt	atcacage	teteataage	aaaaagatcc	529860
ttctctgtgg	agactgtgtt	Transparen	actacggegt	Clagagcaaa	ggctagattt	529920
tgcattgttt	gttcttgttt	Ctctctgatc	tectecace	geretteagt	taaagaccct	529980
caagggagat	gctcatcatc	gaaagcgacc	actttacatc	ctgaagata	ggcatcagca	530040
gcttctttt	cacgagaaac	aaaaattott	toggatges	actornate	ggcatcagca	530100
gggtgccctt	caggaagctc	tgagatcacc	accotcatao	atctccctto	ccgaatatcg	530160
aatagcagac	gttgttgaac	tgtagtctcc	CCGGagagat	0303300030	accygcattc	530220
tagctatagc	cttcatcgct	aagctcttca	ataagetgag	agactgcttc	lacattcaga	530280
ccgaggatat	taggttcaga	atgattacaa	accacaacta	catatttata	aggaggcagg	530340
taggacacta	aaagtaaaaa	gcgcagccac	gactctacco	aagtatogtt	cccccatca	530400
agagatacct	cacgaagete	tttcttactt	atottettag	Catccacaaa	tactanant	530460
uacadaattt	ccayctcttc	atgggtgaga	tctqcaaqar	addaatddca	atasasast	530520
tgagataaag	gagcatggag	tcgttgccgg	ttctaagag	aggaacggca	grgagaccct	530580
	Licetaaagt	atycaactga	Lagratatac	gagaaatete	+++>+>>>	530640
tctgtcttat	ccttttcggt	atttataggt	aaggaaagcc	gagaaatetata	CCtacadage	530700
~~cgcgca	Laacatttac	Ccagggaaca	gtacctaacd	aagtccctag	accet actes	530760
aaaaccccac	CCCCCCCaa	graagaarcc	ttcccataac	adccdaccat	aadatcaaaa	530820 530880
-good geac	CLLCGCCCC	ygcaccccga	ggttccaaga	COGGGGGGGGG	CtCaacttca	530940
gaacgcagac	ccagagaacg	gagctgtttt	tccttatcag	aggagatato	CCCtacccac	531000
cccmaccaa	aatcgataag	aagatataga	gttgtcttta	atttgggata	gagttgaatg	531060
accidation	ccaagcgtac	taaattctct	tqttcttcag	gactgacgag	atctatacca	531120
acaacagcca	Lagagtecaa	ctgaggagta	ggggcataac	tataggatet	aataatacaa	531120
cegegaacee	cayaaaaggc	tttgccaagc	togotaacat	gaactccctt	atcoacttta	531240
agaaccicac	cayayyccat	acctgcataa	ggattctctt	gatattgccc	atagacttta	531300
cctagatttt	Caacetegat	agttttccta	aggetetta	actasttttc	gattetagaa	531360
acacgatete	ggcccgcgat	cttttctact	ttcagtatag	gagcaatato	tasaaaasac	531420
ccagggracy	agacteceet	ctcgaagcaa	tgagagatca	accaaterac	teccataaca	531480
agacgcccca	Caalggggat	ggccttaatc	acccctaaag	cgaagtgggt	aattcgagaa	531540
cacaaaggac.	gryayaaart	aaacgcctgc	acaaagtgat	gacgaactac	2022220022	531600
ccatgtaagt	aacyagtcat	aagaaattta	cotttagatt	Caaaagtaca	aggaatttaa	531660
acgatgtgtt	aaaaatacaa	aataaacaat	ttgtattaga	Catcaagtac	actgaaata	531720
adacycece	gutgageacg	ttttcctaac	aaatacotta	togattotta	aaaaaataa	531780
geeeegaeaa	ccayactiga	gagactctgt	tatqaqaqaq	agaccatagg	C2C222C2C2	531840
cycciycaaa	gcagagtatc	ctgattcaaa	gcttagacat	tacatateat	tatoctosas	531900
cegeegaatt	LLCLLLGLCL	ctatttgttg	gctcctaagt	gagetteete	ctctccaatt	531960
ggagacaccc	cryaayyayc	tctgctaaga	gtcgatccta	gagattcaac	accttcatct	532020
aatgetgtga	aatctataga	caattgcgcg	gattgctgcg	tttctagatt	aaaa =====	532080
receivering	cgilgttagg	tagtgatgta	cagtagtaaa	gagttgttcc	cctaacccc	532140
geeceeaac	ayayayaagt	tetggeatae	gggateteca	tatagactog	comattenan	532200
tetestetts	acaagcgaag	ttctgttgcg	ccgtcagctg	attacaaacg	taaatctcgc	532260
ceeegeeeeg	acccaaagca	gcttcttgtt	totattttat	aacttctctt	ttccasagac	532320
cargerre	allecacaga	tragatictc	gctccaaagt	taagacttct	tccatcataa	532380
agiccgcgca	Lectgaegta	tagacatcga	cagcatagca	ctctttacca	Caaaccattc	532440
tcatggtass	caaatgcaaa	tasasasas	ctccttgaga	tactgaatcc	tcacagaaaa	532500
toctattana	ggctttctct	aaaatatte-	catttaagat	cctacgttct	tctacacaca	532560
taataaagra	tctaaaggca	addatatiga	agtgcgaata	ccctcgacac	tctagctcca	532620
caacgacaac	ttggaagett cacattgcga	tcacttctcc	toatoataa	accccaccaa	gaatcacata	532680
ttaagtaagt	cacattgcga tttgctattt	aggataage	ttagagatat	aaaaaagcca	aagtgctgcc	532740
tcaactcctt	tttgctattt	aataccast.		aggttgcagt	atggtactgc	532800
agtctqcaaq	aggattcaga gtaggaatga	Caataatgg	cttcacata-	ccgcaacccg	ggattttcta	532860
ggtccatcaa	gatccctgac	cgactatoto	Caaaccccaa	gyyagcatgc	acccgttttg	532920
	*			uccaayaacc	yaagagcgct	532980

PCT/IB98/01890

	_					111170/01070
ctttctctt	t atctccctto	c atctccaaag	g atgaaaatg	g agagaaatco	cacaaggatt	53310Ò
						533160
		- 900006600	. CAFECECCA			533220
		- ucattatte	. Uderaaaar	. ^		533220
3		- aacttcccaa	. ICEEEEeee	. ~~+~~~+		533340
• · · · · · · · · · · · · · · · · · · ·		a accurate a	. Caddaramac	, +a+++~+		533400
	,	, courtage.	. (:////////////////////////////////////	· ^=+=+==++		533460
	,	- Culudadell	UCARATACAC	. クトヘトヘトトニュー		533520
	. 22~~~~	- aacqttucat	CEEGAACEEC	· ~~~		533580
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	a a a a a a a a a a a a a a a a a a a	CAUGAATATE	^^~~~~~~~~		533640
~~55~5	, cacagegae,	. CLCLUCCECE	. CCAAAGECEC	. <i>Cactagaaa</i> a		533700
		. Yuullaaaa	Uacteaceac	· atranaaaaa		
- 330960	· weekeekeekaa	Lacciadaaa	CGAGCCACEC	· + 2 + 0 0 0 2 2 2 0 2		533760
	garacectic	acyaccecta	atacaaatto	COTESTSONS	~~~~	533820
	· ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- Cyalaaaacc	GCCCCCCA	- +a+a~aaaa		533880
	, outuacacya	ccayyaayaa	atacttadda	2272274244	+	533940
5		galacitage	- Gactectata	TCC2C22T2	5 6 6 	534000
	. y~~~guggag	accidadaaa	ddrraraaa	200000++-~-		534060
		Cayaaalcla	COGGATACTA	atataaaaaa		534120
2 2 2 2 2	- cocaaggagt	LUGUCACEC	CEddaattta	+00000000000		534180
	o-cagaracee	Laggiacato	daccaaddat	tecatetaaa	~~ * ~ ~ ~	534240
		CLAACLUCCL	LCATTTTCC	2002250200		534300
22	caaaacacac	ayyatcatto	CCEGAAtctd	CACCCACEEA	4.	534360
acttgcacca	tgcgatctag	ctcttcgaag	Ctgataacga	caygyacttc	ggctgggagg	534420
cttttcccca	tattctcatt	acgctcctga	Ctccctaaat	acceatgite	cgcagttaag	534480
aactcctcgc	ctagtgcctt	tetttecara	Gtaagaaga	aggaaaatat	cgcagttaag gaatctccag	534540
atcgcctgtt	ttaccacage	atctagagaa	aatacaaaa	tettegaacg	gaatctccag agtgagcatg	534600
ctgctcaatt	gatectgaga	ataaattact	cattetetes	congregation	agtgagcatg	534660
tcgacacgtg	cctcccatto	tctatattca	atacctca.	Cttottotoo	tgcttcatct ctcagaaaac	534720
tgaatgcagg	aacatccaga	ggcacaaata	tetestage	yactctgcat	ctcagaaaac	
atacettetg	Cagctagctg	Caaacaacaa	222tetacte	tggggagatc	cttagcaacc	534840
aagatcaatg	tgaaagactt	caaacaacgg	adatetgetg	cactaatggg	atcctcaaat	534900
atcattttcc	gtgatttata	cccttcagaa	ttannat	agaactgacg	ttcttttaca	534960
cttctggtca	gaatgttcar	ggagaaaatg	tosage	tatatccaga	catttgtaat	535020
gcaagggtaa	ctatorrect	tgagtcagga	tasasasas	ctggacgagg	agttccgtgg	535080
tccaattcta	atggcaatct	cccttcttgc	Lyaccegeaa	caaggcggaa	aaataacgag	535140
agattgccag	gatctagga	agcgatattg	aatgctacag	gacgaagatc	ctcgctacta	535200
tccgcaaggt	accastcaca	aggcgaaagg	actaaagttc	gtagatcctc	attttctata	535260
tccatcagga	atcetacate	ataatgccct	tgggatagag	gagcatagat	tctatctggg	535320
tacgatcgac	tractrates	ctctggtttt	aatcccaaac	caagcatata	ctcatggtga	535380
gataacaata	tragatetet	gtacaaggaa	tccttatccc	cctcactttc	agggagtctt	535440
taataaaaar	cctttatata	agattgtctt	gtatgtgagt	atgaagtaaa	gtttggtggg	535500
cctagacact	actasatata	ttcagtaaca	tgaatccaag	gaattggatc	tgcactcttc	535560
ccaatccaaa	atteggastt	ctgcccgtct	atattatgct	gttgctctcg	tgaataatag	535620
togattctag	actcasassa	ttcaggagag	ccagcgtcgt	cttctttact	gtctttgcac	535680
tegeacater	ragetterer	tgagttatgt	aggtactgct	tcttctctgc	agtagttgta	535740
tgcagtctct	gagattegeg	attcaagcct	gtcaaataca	gacaaactaa	cgcttcagga	535800
agtttcgaac	gegeeteate	cgcgagactc	acaaattgcg	agaaatcttg	aggagtttta	535860
cgagtcacgc	ccacacaga	aatcgtacgt	atttcgggtc	gggggcctg	taagtacgca	535920
-3-3-0-030	gcycycyaat	Cygagaaaac	acagtateta	aagttoooo	4 4- 4- 4 4-	535980
ggoodaagee	LLaaayLLLC	CLCGGattt	aaacgaccaa	Acres and a	3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	536040
	Laterigati	CLCAGGAGTT	atoutecee	+++~+~++		536100
goodocogag	acacacgacc	tcgacctaac	qccttctcag	tetttacaat	atannas	536160
	aggaggacci	agtaataatc	CCCCcaacac	ACCARADO A	taagan	536220
acceccacga	Caacacgtcc	tacaataggg	atggccttga	tgacccctaa	366333344-	536280
gcaacccag	aacaaaaggg	acqaqaqaaa	teaaacccct	taacaaaa		536340
90090000	aayaayaaat	atagggaatt	ggcatnncaa	C2222222+	222244	536400
	LLaaaLaaca	acatagaaaa	Lateaattaa	attonnen		536460
acacccag	Lattatttt	tttaataaac	taataaccaa	Ctacttt		536520
-	acceteate	aggggtaaaa	Laagaaacag	CCC++acat		536580
goodg	accedaced	ggaaaaccta	agattottc	agagtcaggs	~	536640
	accagaac	cadddadccc	EEEGCAAGGA	2011111		536700
	Lucudgugua	tatcaatcaa	agatactatt	CCCCCCCC+		536760
-googegea	tcttcgtcat	catcagaaga	gcatcttct	tgtagagcct	gctctaaagg	536820
					- 23	0020

catactctga	atatattcct	ctaagctgac	tttgatttct	cttcctaaag	cctgactttc	536940
aacacaaac	aaattgagtt	tctcttgtga	tctccaacco	gcctgtttaa	ttacaccatc	537000
taaagtaaat	aagaagttct	tctgtgccac	gattttatca	cacatatado	CtCtCasata	537060
cccccgaaa	gaaacactac	cttcttctct	caacttgttt	gtagaagttc	treattret	537120
yagcccagga	tgcatttgga	ttttcgtaga	ctaagacttt	acatecegaa	acacatacat	537180
cegeggeate	aagagaactg	gagactaaaa	tcctatccga	ggctaattgr	aaactaccca	537240
tatetteget	acctaaagga	agatctgtaa	tcatgacagt	aaaggaccgt	CCTTGGTTGT	537300
cregectiag	aatctgacgt	tcctgaacct	tggagactcc	ttcggggctc	3050303033	537360
igillagata	cgaataccct	gattctctta	agtcttcttc	taatagagac	aatgcctctc	537420
gggacaatcc	ttcttccaga	agttttgcat	cattacaaac	aacagctacg	tacttttctt	537480
reregregre	cagaacacga	gatagaaact	ctgaccatct	ctotccaaac	gaagagttgc	537540
caaagtttat	agagacagaa	cggaatgttt	cgctagtgag	atttttaggg	tctadaaacd	537600
LLgacagaag	ggaacgacgt	agctctttgt	tttgcaaatc	taaaagatag	gaaggagagg	537660
agtacggtga	agataaaggc	gcgcaaaccc	tatagggatc	cagaagccac	cctgacaggg	537720
aactetgaat	tcctagattc	agcttataat	gatccttaac	agacataaac	agagaacaat	537780
acgtggagaa	ggattccagc	ttattccatc	ttttctttt	acctatttct	ggggaatgat	537840
cycacyyaga	gagettetet	tgttcttggt	attgcacgga	aatggaaggg	gtctcttcta	537900
gagcaaagct	tagaagatgt	tgtatcacct	agggatcttg	gacttcctga	tctttcccgt	537960
aacaggtaat	cataaaatcg	acagtagcga	cttctggcac	tgaaggaaga	cctgcactcg	538020
cttonganat	actetetatt	ttagggtcta	aacctagagc	tcggagttgc	cctttttcct	538080
tagtatagaaat	ttcacagtcc	cagacatctg	ccaagttctt	cgctaaatag	agcttcactt	538140
cagtatgggg	atagtgatte	tgcacgccat	tagcaagacg	cacgaaattt	atgaggtccg	538200
acctatacac	gagaccaaaa	cccacaagag	caagatcttg	aatcataggt	ttctctacgg	538260
acceatagge	alaggitaac	ctactacgaa	cgccttgcag	tgcctcatct	acagtagaga	538320
ttctccctaat	cagggagaag	gttggacaat	ttctgtgggt	gtgatatcta	cgaagggatc	538380
acttaaataa	acttata	ctttgcctag	atcttcttgg	gaaatgggga	ctctcaagct	538440
accectage	acattanana	gagctaaaca	attatgaccc	cgtgtttgtt	ctactttaat	538500
aatcaaccac	tcattcagaag	taaacattcc	atgacgaacg	gtgtgtctgg	gaatccagga	538560
Caaaccaaaa	tttataataa	tgacaatgtg	tcctaatacg	ggaattgcct	taatgatccc	538620
atoctotoga	acascatta	gagaacaaac	gggatgggtg	aaatcaaagg	cgtttacaaa	538680
totataaaaa	ttttaacaaa	accaagaaga	aatacttgga	caagccacag	tagaaattta	538740
taattatcat	aataatatt	gttattttaa	tcaaataaga	cattaaaaca	aataagtatc	538800
ananttcaan	cttcataaa	ttaaaaacgt	ttttatttga	aaaataaaaa	gtcagtgtaa	538860
aaacctccat	accetetata	atttttctat	acaaaagaat	cgtgggatac	ctaagagaaa	538920
ccagaatgac	ctaacaaaaa	gacaactaga	tananan	cctcgatacc	ttcaaaaaac	538980
aggttcatca	aaacaaacac	agaagaatct	tetatata	gctctgctgg	actaataaaa	539040
tttcgttcac	aagattgcga	cttagaaagg	tototat	tagttcccat	caatctgcga	539100
tgagctgagt	cacaaactac	tctttagtca	testates	teteeteaga	aggtgcatct	539160
ttacatgcga	cttgaggctgc	acacacagcc	teanetanes	ragcaaaact	cacattgaca	539220
tctaaagcac	atcacatata	tatagtcccc atctcctaaa	ccaactaaya	gactgetgee	gatataacct	539280
tttttaaact	tccacatggc	ctgttggatt	accepantes	ctacagcaaa	aagatcccgt	539340
totaaaacta	ctctcataga	tgctgagacc	accycattya	gattgaatac	gatgtccttt	539400
tgaagat.cgc	ctaccctata	gatgtttcta	tagaagget	clectggaat	cccctgacgt	539460
tgctcgggat	cctcatattc	taagatetta	cattcagacg	catactgttg	cgcccactct	539520
agagcactaa	gaaactaaga	tcctatctga	carreagaag	cacaggcatc	agcagcatcg	539580
cccttcagga	agatcagtga	ggattacagt	gaatgacctc	ccccanage	tatecgaact	539640
aattctacgt	tccttaacac	acgtgcgttc	ctaactcact	Cocyaaggat	cagaacttaa	539700
ataacctgac	tcttccagtt	cgttctctaa	tagagatasa	gaaacyatac	ccaaataaga	539760
ttttataagt	tgtggattat	tgcagactac	accacatac	ttttctctct	gaaaactctt	539820
aacacgagat	agaaactcag	accacctctg	acccasagg	gagtttgga	catcatgtag	539880
cataggacgc	ggatttccct	gaccagaatt	attaggatet	ataaaaaaa	agiciatgga	539940
acaacgaagc	tcttcacttt	ttaaatctaa	gangtatgan	acaaaagegg	atacaagaa	540000
taaaggagcc	gaaaccctaa	gaggatctaa	aaatactcca	gggcaggaat	actetecaga	540060
caagtgaaca	gcatatctat	cacatctagg	attagacagg	gaggcaaaac	tttesseste	540120
ctcctgctca	ctccaagga	tectetgate	gagtaccatt	cctccttcac	aaccaccac	540180
gaaatagtag	ctataaaaaa	gatcgtcagg	tctataggff	acadaaatca	carrentate	540240
ttcggaagaa	agattgagta	gactetttat	agagteeacg	teteteacee	actott	540300
cccgtaataa	ttaatgagaa	gatçacagga	aggcaagtto	toggattge	detathere	540360
gagcaggaga	gegagaacca	acacacattt	gatttrages	tccaaaccta	Aararrecta	540420
ttgctgttct	ttttcttgag	aaatcgtacc	gtcacactga	ttccatatct	tttaatta	540480
gattaaataa	agttttattt	gagtttgggg	gtactgagtt	totatocor	tagccacac	540540 540600
aacgaaattc	acctgatctt	cgggatctaa	aatqtcaaaa	ccgacgagcg	taagagaagg	540660
أأري عاصم يهيه أرا	· · · · · · · · · · · · · · · · · ·				bhashasagg	540660

					PCI	111838/01830
cgcgcgacc	t agctctccc	a gatattgat	g aggaaccat	a ttcacattt	: cttggggagt	5 40 mah
cctgtcgca	a acataatct	c tggagacct	t cccatggat	t tttcctaaar	cttggggagt ctcct tc agg	540780
aagtcgaac	c ctaagctgt	c tcaagtact	g ttccaccca	a gcaagggat	ctccttcagg tataacctcg	540840
teatagaaa	t attttcacg	a tactagcaa	c gtcagaagt	a aatgccggtt	tataacctcg	540900 540960
atageett	a catgtggaa	a ctagccaac	t tacccctat	a acaacgcato	tcccaaacct ctaaaatggg	541020
aucaycccc	g atgaecece	a aagcaaaat	t tgtaatccg	a gaaccaagac	ctaaaatggg gacgtgtaaa	541020
Cataggato	C Claataaaa	t gctgcttaa	c tgtagatat	c caaatagaaa	gacgtgtaaa tatagcatgc	541140
aadatadaa	a adccaacat	t gaaaatgaa	a gcgtacgca	g gctatataaa	tatagcatgc gatttaaaaa	541200
caattotat	a allaactat	c ttttaataa	g aacaacacg	a tagttttat	gatttaaaaa ataaaaaatt	541260
CECagaggt	d geadetaat	t aagagtett	c aagatccga	a ggatgatcat	ataaaaaatt ctgaaggatc	541320
acagtetge	a gayyyaaca	t cttcatcaga	a acctgggaag	a ggatgatcat g agcgcctctt	taagaggaga	541380
tgtgacata	t caaggtag	c cttgtatga:	a cgggccttt	g agcgcctctt gatgttttt	cgtgagagtt	541440
ttcacactc	t ttatcratca	acacgataga	tggcaagca	gatgttttt tgtgttttca	agtctagggc	541500
ggcgtctaad	attogaato	a agetggggetg	f tttatgagto	cataccgctt	gctttatagc	541560
						541620
cgcctgcgta	atcagtttaa	a attetette	gagiletee	gactctagga	tcccttgatt	541680
						541740
gagcttgcat	cttgcagcat	aggcatchac	: agguetecaa	tctgtatgat tctctagaga	cgattttcaa	541800
						541860
						541920
						541980
						542040
						542100
						542160
						542220
						542280
						542340 542400
						542460
						542520
						542580
						542640
						542700
						542760
						542820
						542880
						542940
ctcgtctcta	ggctctaatg	adaddddagg	totota	agateteege	gaaccttccc	543000
				atatetteaa tecacategg		543060
						543120
						543180
						543240
						543300
						543360
						543420
						543480
						543540 543600
						543660
						543720
						543780
						543840
						543900
						543960
						544020
						544080
gatctccaag	aatcagaact	atgratttac	cggggcaatt	tatgctgctc a	aaattgcac	544140
						544200
						544260
						544320
	J~~~~~	uauuauuua r	FFAFACTACC	~~~~~~~		544380
		LCacaaacaa	ctcttcagga	tctgggggag g	rcatagaggg	544440
+200022707			234	aaaaaad	, catattttc	544500

							/IB98/01890
	gttcgcaaat	aactatggat	cgaacttcaa	tccaggagga	ggaggtetta	ctaccacctt	544620
	ccgcacgaca	Ligadiaaco	: gagaaggggt	actctttaac	: aataaccaaa		E44600
	cggrggagcc	acteatgega	l aatctatcat	tatcaaamaa	aatootooto	. + ~ + ~ + + + + + + + + + + + + + + +	544740
	adataacact	gcaactcggg	gaggggetet	cctcaactta	tcagcaggtt	CtGGSSSSS	544800
	augutecate	ttatttytag	i ataatggaga	tattatcttt	aacaataata	caacataaaa	544860
	gcatgcctt	aatcctccat	acagaaacgc	cattcactco	actoctaata	tasstatas	544920
	aacayyaycc	cgtcccggct	atcgagtgct	gttctatgat	CCCatagaac	atgaggtes	544980
		Cocatactet	ttaatttcga	aaccggtcat	acaddtacad	ttttattta	545040
	aggggaacat	ytacaccaga	actttaccga	tqaaatqaat	ttottttct	atttasaass	545100
	taagttette	Clacgicaag	gagteettge	tgttgaagat	ggtgcggggc	tggcctgcta	545160
	aggaacgatt	Ccacaccat	gcactctact	tctaggtcaa	ggtgcggtga	tcacgacagc	545220
	tcacattgcc	attgaccttc	cctcaacacc	aacgacagta	ggaagtacta	taactttaaa	545280
	gatttacccc	acaaaaacaa	cttctattct	tactcaa	gctcaggctc	caaaaatttg	545340
	ctcaggaact	ctcaccttac	gatctaccta gcaacagcaa	Caaccaacat	CCCaacccga	caatcacaat	545400
	ctcgcactct	cttgagaaag	ttccccttct	ttatattata	ccctacgata	gtctggatct	545460
	taactcttcg	caactggatc	tatccacatt	agattetage	gargregerg	cacaaaaaat	545520
	catctggtcg	acctattqqq	tagaaactac	aacaatcaca	aacactacy	ggtatcaagg	545580
	cgcgaataca	aaacacaagc	tgctctatgc	aaactggtct	CCTCTagget	accatage	545640
	tcccgaacgt	cgaggagaat	tcattacgaa	taccttataa	Caatcagget	accytectea	545700
	rgcaggactc	Cactecetet	cctcctggga	tgaagagaag	ggtcatgcag	cttccctaca	545760
	aggeattygt	cttctggttc	atcaaaaaga	caaaaacggt	tttaagggat	ttcataatca	545820 545880
	cacgacagge	catagigeta	ccaccgaagc	aacctcttct	caaagtccga	atttctctt	545940
	aggatttgtt	Cagillettet	ccaaagctaa	agaacatgaa	teteaaaata	acacatacta	546000
	ccaccaccac	Leceeggaa	tgtgcataga	aaatactctc	ttcaaagagr	ggatacgtet	546060
•	accigigici	CLUGCTTATA	tgtttacctc	ggaacatacc	catacaatgt	atcaccatct	546120
	cccggaaggg	aactctcagg	gatettteca	caaccatacc	ttagcagggg	CtCtCtCCtC	546180
	rgenetetta	cctcaacctc	acggcgagtc	cctgcagatc	tatcccttta	ttactocott	546240
•	agccarccga	ggaaatcttg	ctgcgtttca	agaatctgga	gaccatgete	gggaattttg	546300
,	cetacaccgc	cccctaacgg	acgtctccct	ccctatagga	atcccccctt	Cttagaagaa	546360
•	ccaccaccya	guicecetag	tctggctcac	agaaatttcc	tategeteta	CtCtCtatac	546420
•	gcaagacccc	gaactccact	cgaaattact	gattagccaa	ggtacgtgga	CGacacacac	546480
,	taaagtcact	ctctccttag	ctttagggat	caaagtgaaa	aataccatgc	aggtgtttcc	546540
,	cttaaacata	accepticag	attactctgc	ggatatttct	tcctccacgc	tgagtcacta	546600
	gaacctctag	tatcaaagaa	tgagatttta	acaataagtg	accaaaacag	aaagattaag	546660
1	tgcatgttcg	ggatgactcc	tcctcctaag	acttactct	atctcgggaa	tttcacagcc	546720
(gctttagaga	gggatgaaga	tgcagtgtat gtttcgtacg	agctttcctc	cggactccct	tgaaaagttt	546780
	cttacaggat	tttctccaat	aactacgttt	attacasata	ccctagactc	tctctccact	546840
á	attgtacttt	ctaactacaa	gtctattgat	aacatccttc	ttettteese	ctctcaagac	546900
ç	ggagctgtgt	cctgtaataa	tttcttatta	tcaaargttg	aagagataa	atcggctggg	546960 .
ā	aaaaatctcg	cgattgggac	tggaggcgcg	attecttecc	adgaccacgc	Cacaataaa	547020
ě	aagaatagag	gaccccttat	tttttcagc	aatcgaggtc	ttaacaatgc	Gagtacagg	547080
3	ggagaaaccc	gragagarac	gattgcctgt	aatqqaqact	tcacgatttc	tcasastcas	547140 547200
5	gggacttet	actttgtcaa	caattccgtc	aacaactggg	gaggagccct	Ctccaccaat	547260
٤	ggacactgcc	gcatccaaag	caacagggca	cctctactct	tttttaacaa	tacaccccct	547320
•	agrggagggg	gracacttca	tagtgaaaat	acaacgatct	ctgataacac	gcgtcctatt	547380
•	cattttaaga	acaactgtgg	gaacaatggc	ggggccattc	aaacaagcgt	tactottoco	547440
•	acaaaaata	acteegggte	ggtgattttc	aataacaaca	cagcgttate	toottcoata	547500
•	actcaggaa	atggttcagg	aggggcgatt	tatacaacaa	acctatccat	agacgataac	547560
•	ceggaacta	ttctttcaa	taataactac	tgcattcgcg	atggcggagc	tatctgtaca	547620
(aactettga	caatcaaaaa	tagtggccac	gtatatttca	ccaacaatca	addaaactdd	547680
٠	gyaggigele	clargetect	acaggacagc	acctgcctac	tcttcgcgga	acaaggaaat	547740
+	ratacaccac	atagga	ggttttcctc	accacatttg	gtagatacaa	cgccatacat	547800
,	ratochatac	aacaccaactt	acaacttgga	gctaataagg	ggtatacgac	tgctttttt	547860
č	catcagggaa	cgatcttatt	tccaactaca	aatcctctaa	tctttaatcc	caatgcgaac	547920
ē	aatttcatta	gcagctcgaa	ttcttcagcc aaatacctct	gaactto	aagcttctga	ctacgaaaat	547980
ç	gatogtgcgg	gatggcaatr	ctataagttc	actraaaaa~	argetete	ccctatcgag	548040
c	catgcggcga	gtattgcaac	aactgccaac	tctgagagtc	catcaactoc	tata	548100
c	caggtcatca	ttaataacct	tgcgattaac	ctcccctcca	tettageas	agganan	548160
C	ccaccttgt	ggateegtee	tctacaatct	agtgctcctt	tcacagagga	Caataaccct	548220
c	acaattactt	tatcaggtcc	tctgacactc	ttaaatgagg	aaaaccgcga	tecetages	548280 548340
-			+++	~+++-	******	anne	548340

						/1898/01890
gcacgtcat	a tcaataccga	taactttcat	cctgaaagct	t taaatgcgad	tgagcattac	548460
	, 2000cc	- CCCCCacco	I Gragagaca:			548520
		· ~~~CCCCacaca	l UCECEMENT	Υ グクココヒナルベニュ		548580
J J	- woodegaace	· ccaaqqaaaa	. CEEGCTacaa	9 CtCCCCts+	. ~~~~	548640
		- aayaadttat	. aarcgaactc	7 <i>atasttata</i> -		
	, auacticaage	, yarraccaac	: ggcctcttt	, ttcstcsss		548700
0000	g garecougleat	. Ccadictaca	i gagtattect	· tacaadcatc		548760
	- agadaacctt	· CLLAGGEEE	gcacagtici	· traceces	· +	548820
ggatcaagca	a acaacgtctc	ggctcacaat	acadtotot	cactttat-t	tgagcttccg	548880
tggttccaag	g aggeetttge	aacatccaca	atattacet	- cacttatgt	ggaccatcac	548940
ctccacagco	tacatccctc	acatcaagaa	. gegeeagege	alggetatgg	ggaccatcac tagccataca	549000
ttagcagcad	ctatcoocro	ttettteest	taggcagaag	ggacgtgtta	tagccataca	54,9060
ccgttcgttc	aggcaattgc	aatacettot	cygcaacaga	aatcctatct	tcacctcagc	549120
aatccccgaa	agttratete	tcaaaaaaa	Caccaaacag	r cgttcgaaga	gattggtgac	549180
caaggaaaat	. ddcadtcaaa	attenaget	ccctataatc	tgaccttacc	tctaggaatc	549240
gaaccggtac	: tctatcaaca	acccacgea	cctacagaat	ggactctaga	actttcttac	549300
5	· · · · · · · · · · · · · · · · · · · ·	aaalccccaa	atcoorarca	COCTACTTAC	~~~~~	549360
Caaactroo	tottoggeta	taactatgtt	cgcaatgctt	tagggtacaa	agtccacaat	549420
	, eccetacy c	LULUGATOTA	LECETOGALL	2002200240		549480
	. ogcaccacc	- CCaaqCagga	adtaccttaa		**************************************	549540
	. watertraya	alladcaact	acccoatoac	でたるののたたっつつ		549600
3-33-40-0000	ccaaaattta	aatatagaaa	atcattcaaa	tatataaaet	* = = k = = =	549660
2	. acatgicaat	adycatattt	aaatataaat		ata =====	549720
	ciclalgae	adactctatt	ttcatatcaa	agtttggatg	+++=+~~	549780
	cagcatttta	LCCactgcgc	tatqttqttc	cttatcadda	22172274	549840
	cucugucag	auguctagaa	aagacatete	tactttccac	acototos.	
gacacagaca	gaatgtaact	ccagageeet	taattteete	CTTTCGTCCC	totantate	549900
	eggicacyac	alaacccagg	acatcacaat	Tacanna a a	****	549960
goodcaga	- cataactac	Cactacgagg	atggaggcat	tettacatat		550020
	uuutaaayya	aacttaagtt	CCGaaaggaa	tageteeeac	2000000000	550080
gggctctcta	cagtgttcgg	gaatgctgga	tttctaagaa	tcagaactag	agciciggag	550140
caaatgcggc	ttccttagct	actactacaa	Cttcaggat	teagaactae	regtttattt	550200
tagatagcta	tattacaaat	aacttaggag	aaggact	cttagagaga	atacatgcac	550260
atagaggagg	agctatctat	attagaataa	atttatanat	Cilagataat	gtctctaaaa	550320
tcgttatcaa	gaaaaatcaa	acattagaag	attogagett	cacagacaac	ttaggtccta	550380
gagccgtaaa	gaaaaatcaa tatagaaagg	aattatcaaa	accccagett	rggaggaggc	atcttctgca	550440
aaggggtggt	tatagaaagg	Coctaggaet	acatecaaat	caatgataat	gcttcaggac	550500
gatcagcaat	atattttctg	ccccaggagt	Cattatetet	tcaaataaag	aaattataga	550560
tagcagtato	cactccgcat	cctcaattaa	cacagcatca	ggaaaactat	atcccggtgg	550620
Caataaaacc	atgtgtacct	ccctagecat	tgagaacaat	cccaaaggtc	ttatctttaa	550680
	geageactea	acadcadadc	Latacacaca	agatottto	+ a + +	550740
g	acaycattla	ttaataactc	tgcgacttca	agagggggctc	testesses	550800
	ggaagtactc	cccaaaacct	Cttcctctct	gcagactaca	acaststtat	550860
	aacacaacca	catcttcttc	Tecteaacce	CCAtataca		550920
-gergereeg	gggaltaact	taaaactagg	ACCARCACAC	aattataaaa		550980
-3	garcacyarc	agacgacaac	agatechata	Otatttaatt	2+~~~~~~	551040
	accytyttyt	tttccggaat	Caatgtagat	tetaacces		551100
gaacececa	CCaadatttt	ctaactcttc	acqacttgaa	aggggtgtataa	* ~ ~ * · · · · · · · · · · · · · · · ·	551160
~5~~~99966	gerattict	gcaaaaccct	atcocaaact	aaaaaaatta	And the second second second	551220
goagea	ccaaccayga	cgaaaggccc	gggaagetee	ataaatttta	2+~~~	551280
3	CCCCCCCCCCC	tacaatcaga	Addeteadet	CCaaacttot		551340
	ggalccacct	attetgaaga	Cacttettet	20121020	Au - Au	
	- Laaacyaty	aaaatqaaaa	CCCCtatcat	200++200+	A	551400
		CLCLACCICC	CCCAtctcac	tacaaaaaa		551460
- 3	cycayaaycc	acuaacttag	atragracta	taastataa		551520
	garggaaact	accactacaa	CAACCTCTac	20t200		551580
caaaccacag	gcagctctac	gtagactgga	ctcctctac	agraceggaa	cagaccaata	551640
gtcacggaga	atttattgct	aataccttat	accerdiage	ataccgccct	aacccggaac	551700
tccgcatctt	acctccacaa	aacctcaaa~	agcates ===	ccataacgct	ctgttaggaa	551760
tegggettet	aattaaccaa	cataatccc-	agcargacct	rgaagcetet	ctgcaaggac	551820
cgggctatoc	aattaaccaa	tcaccasass	ayyyacgcaa	aggcttccga	aaccatacta	551880
tcgcacaaar	agcaacaacc	actacacaa	cugcagcacg	acatagtttc	tctttaggat	551940
	guucucaaa	actadadaac	OFCARFORCE	330t 3005	▲ – – . .	552000
	aggacteege	LLCGACAGEC	TCCTCttcac	agacttgata.	+a+	552060
	ccacagccac	ggagatcacc	atatochtha	CCaCtataca	~=======	552120
	caaagccttc	tttaataacc	acactttggt	agcctctcta	gactgcacat	552180
			•			. = =

tgcgctgttc	ccaggcctcg	ttccaagaaa	ctggagacca	tataagaaaa	ttccatccaa	552300
aacalccccc	cacagatett	tecteteca	taggetteeg	ttctgaatgg	aaaacttcac	552360
accatatece	catgctatgg	actacggaaa	tatcctacgt	acctacccta	tacadaaaaa	552420
acceagaaac	gilcacgaca	ctactcatca	gcaatggaac	atggacaaca	caaggaagtg	552480
Cogcetecta	taattccgta	gctgcaaaaa	taaaaaatac	ttcccaactt	ttctcaagag	552540
caacettate	cciagactat	tcagctcaaq	tetecteare	aactgtaggt	Caatacctta	552600
aagctgagag	ccattgcaca	ttttaaccac	aaagaaaaca	tcaaggaata	aacagtgcaa	552660
aacaacagac	CCCLLagraa	atcttccttc	tttqttqqaq	ccttaatttt	acotagaact	552720
acaacactcc	ttaatgcgac	tccgttgtct	gactattttg	ataatcaagc	aaatcaactc	552780
acacttttta	tccctctaat	tgatactctt	actaacatga	ctccctactc	tcatagagca	552840
atacatact	gagttaggga	tgacactaac	caagacattg	tcctcgatca	ccagaattcc	552900
acagaaagcc	ggttcgaaaa	cttctctcaa	gacggcggtg	ctctctcttg	caaatcactt	552960
gatacaatat	atacaaaaaa	taatttaat	ttcctaaata	gctttgctat	taaaagagct	553020
tctqqqaatt	atgtgaatgg	taatcccgat	Ctttctgaga	atcatggttc	catcattttc	553080
gttttatgtt	taagctttcc	tacaatoto	aatttegetg	atacttgtac	agggggagct	553140
aacaaggcaa	cgaaaaatgt aatcttcagg	aggaggaatc	Caacat caaa	gaaccgcata	cttcattaac	553200
actggccctt	gcctgttttt	taataatoot	caagetyeaa	tcataaacat	taaggacaac	553260
gctaatgctt	gtagaattga	gaataattct	Carcetatet	cagegggggg	cgcgttgttc	553320
gatctagata	gtgcaataag	agtacatcaa	gagtgcattc	ttacaaagaa	taaccaatca	553380
gtgatcttca	acaataattt	tgccatggaa	gagagacatet	ctactaacca	tteetetee	553440
ggggctatct	attgcattag	ttgttctata	aaagacaacc	caggaattgc	accttogat	553500
aataatactg	cagcacgaga	tggaggtgct	atctgtacac	aatctctaac	tatacaaga	553560
agtggtcccg	tctatttcac	aaacaatcag	ggaacttggg	acceccaac	catactagac	553620 553680
caagatggtg	catgcacttt	atttgctgat	Cagggagata	ttatttttta	taataataga	553740
cacttcaaag	atactttcag	caatcatgtt	tctgtaaact	gcacgcgtaa	tatctcatta	553800
acagttggag	caagtcaagg	tcattctgct	accttctato	atcccatact	acaaagatat	553860
actatacaaa	actctatcca	aaaatttaat	cctaatccag	aacacctcgg	aactatctto	553920
ttctcctcag	catatattcc	ggatacatcg	acttctcgtg	atgacttcat	ttcacatttc	553980
agaaaccaca	ttggactgta	caacggcaca	ctcgctcttg	aagatcgagc	agagtggaaa	554040
gtctataaat	ttgatcaatt	tggtgggact	ctacggttag	gcagtagagc	tatattttct	554100
acaacagacg	aagaacaaag	tagcagtagt	gtgggttctg	taattaacat	caataatctt	554160
gcaattaacc	ttccctctat	cttaggcaac	agagttgctc	ccaagctatg	gattcgcccc	554220
acaggttcat	cagcacccta	tagcgaagat	aataacccta	taatcaatct	ctcaggacct	554280
ttgagcctac	tggatgacga	gaacctagat	ccctatgata	ctgcagacct	tgcccaacct	554340
accgcagaag	ttcctcttct	gtatctctta	gacgtcacag	ctaaacatat	taatacggat	554400
aatttctacc	ctgagggtct	aaatacaact	caacactacg	gctaccaagg	cgtttggtcc	554460
ccttactgga	tcgaaacaat	cacaacttct	gatacctctt	ctgaagatac	tgtgaatact	554520
ttacatcgcc	agctttatgg	tgattggaca	cctacaggat	ataaggtaaa	cccagaaaac	554580
cattata	ttgccctatc	tgccttctgg	caatctttcc	ataacttatt	tgcgacacta	554640
ttcctccata	cacagcaagg	ccaaatagca	cctacagctt	ctggagaagc	tactcgactc	554700
tetttagga	aaaatagcaa	caatgatgcg	aaaggattcc	atatggaagc	tacgggttat	554760
cttttcagta	caacctcaaa	cactgettet	aatcatagct	ttggtgtaaa	cttctcccaa	554820
gtaggggtcc	atctctacga	teetteete	gacaattccg	tggcttcgca	tacgacaact	554880
gcctacagct	agatcaataa acagcaacca	ccatatcasa	caagagagac	tetetacate	tgcatctcta	554940
gaaggcaaat	gttatagtac	gacattaagg	gcacciggat	tottootot	aatacaaacg	555000
atggcgatca	cgacctctcc	acticactic	ttttatcaa	gazzttgaz	tatetetaea	555060
tcaaactgcg	tttcaagaaa	gtggagataa	acctacceaa	ttttctctc	atanagett	555120
atataacctg	acagtccctc	toggaattca	gagcacttag	gaatccaact	teestettee	555180 555240
tacctattgg	aacatagagc	ttgcttatca	acctatecte	taccaacaaa	atecteaget	555300
caacgtgagt	ctagaatcta	gtggatcgtc	atggctccta	tcaggaacca	cccttactca	555360
caatgccatt	gcttttaaag	gaagaaacca	aattttatc	ttccctaaac	tttcaatatt	555420
cttagactat	caaggctcgg	tatcctcatc	aacgacgaca	Cattacette	acacaaaaac	555480
gacctttaag	ttttaaaagc	atgttatata	gacaatgcaa	cctgtaaaga	ccaaatagag	555540
agtagtgaac	actctctacc	atcatgaatc	ttatgggaga	agctaaggga	aatccacaga	555600
tacgtttccc	ccataaaaat	taagaacccg	atacatcctc	actagagatt	cgaaagaact	555660
acttaaatcc	taagcattcg	actctccacg	aggccatcct	ttttgtagta	agattttcgt	555720
tgtagctaca	agtcccccta	agggctctag	atattctgat	tetecatece	ccaactctat	555780
tggaggaaca	atactctctg	cttcgaccat	aacagcactc	acqctctcqc	taàgcaaagc	555840
ggctcttact	tctggtccaa	accctgggct	cactctaagc	gaaacattag	tcaatgtatt	555900
cregggrett	ggaagtgtag	cagggggcct	gccatgaatc	catgggatct	catcataaat	555960
aggetetaca	ggagaagcgg	aagcaccgcc	tgacctctcc	tgtaaaattc	tatctatatt	556020
· · · · · · · · · · · · · · · · · · ·	aatmmattat	C++C=CC-+	^++~~~			L L C V C V

•						71070/01070
tctaggagag	g ggggaacggc	tcatatcttc	ataatcactt	tcacctgcac	ctgaagcacc	556140
J			actcatades	. aatassass		556200
- 35	, ageceaecy	GLGAGGLGG	LCGEACGCGA	. +c+~~~~~		556260
3	, gaccccggac	yryaayyaay	atcatadata	CC2CC2C++C		556320
-3	, arguering t	CLLLayato	LECACCACAC	r attataaaa		556380
	a coccetted	actuacycyc	aggactccat	Ctangggaaa		556440
	· cccccccac	yayyaacatc	atagaaaaa	+ ~ a + ~ a + ~ + +	~~-4	556500
	guuctgict	- Yactccaacc	- ECECactato	~~~~~~~~~~		556560
-333900000	. gartetyaat	LCCCCLtdat	LETAGCACCG	tactratata		556620
	. accaatgyay	adicticaco	Logacttcca	tttctcccc	~~~	556680
-33-5-6-6	generated	LLLCalcaat	LECEGAAGGA	Caccacaca		556740
agetgeatga	gaagtacact	ggaagetet	gcacgtgcaa	caacgaccca	ctgcttcagc	556800
tcctaaaaga	cgagcaatac	CCTCCCCARt	caagatggac	cctagaatgc	ttaaaatcat	556860
ccgagttett	gaaaccagag tgaggatctg	cactcctcc	cigattecat	aatcttgtag	accagttttc	556920
aatcagagtt	tgaggatetg	ctateggagt	tagattata	taaataggct	cttcttgaga aactcaatcg	556980
agcatgggac	aaagcagctt	ctaaatcatc	cygattates	tctaaagaaa	aactcaatcg	557040
gtctccatca	ctcatgagtt	cttgaagete	aggatetea	cctaataggt	tttgaagaga	557100
gatctcatca	ctagtttcta	CCCCCttaaa	acgagettet	agricigaac	agagggaatt	557160
tgttgcctcc	atatagccgc	attogaatto	tataatttaa	gccayagata	ccgaagattg	557220
tgtggcttct	gctttttcct	ctggagtcaa	Ctgatcatta	Ctttgtotot	gtatggtaac	557280
ctgacgtaaa	ctactcaaac	ggaggtttag	Ctcgtagaga	Cttaaagg	cagagagete	557340
aggtggagcc	ccactaggaa	gtactatgcg	atcoccaact	atctatages	cgctgtctgt	557400
accgctctgt	ttttttactg	aaqqaaqaqa	aaataaacac	taaaattata	accgacccaa	557460
ggcccccgga	acceccigag	aaggattttc	gcctgaaaca	CTCGCGTCCT	C+~~~~	557520
ggeeccegea	geageageae	LLyatgaatc	gacateceer	CtCtCatccc	CCC+ ~~+	557580
ga-caa-	ccaacaaaag	CLUGUEGEE	ttcacacact	taactcataa	30404	557640
uadadag c c g	ccaaacyacc	LLaaggccct	qtctacccca	gaacgtacgc	G2G22222	557700 557760
recegggeea	gaagetgeeg	aayaagagct	Clagadactic	tratcttctc	at	557820
gguactgcta	cycatatycy	aagateetga	agetectice	tetecatatt	cttgaggage	557880
cagggaaacc	ccgcggccgc	caagttctcc	Cttaggagag	ggcgatcgac	ttctatccc	557940
accaccaca	ggrggaarer	LLCCtaatcc	actagatect	CCGattcctd	atoccataaa	558000
caccccctaa	aaayaataat	cttttttctg	aaacaattta	attttattaa	22227227	558060
adatycttt	adatatatta	aaataatcaa	catattgaag	agttttaatt	aaaactotto	558120
aagcccccc	egegeataga	gaaacagtga	gataacgact	actotecete	tagaagaaat	558180
gacctagcta	accctaagec	ttgttgaatg	acaggatcag	tcacattgcc	trattroast	558240
ccccaagac	LCLGGGCatt	tctgttactc	atttctgcag	ctctacgage	Catctcttcc	558300
gcaaaagata	agctaggtgc	agccgatgga	tttgaaacgc	cctcttactc	Cacaaaccat	558360
cycycatiac	Licerdate	aagatcatct	acagctgatt	cacgtcgtgc	traacttaat	558420
ceegaagcaa	Ligiticiaaa	gaageteget	accocttona	atatoctaso	+	558480
tocacagtet	tccatgctcc	ctgcgctgca	gatccctcta	ccccacctgt	ttcgggagct	558540
occocug ccc	crycryyggc	Ligigatica	tcttgaggta	cgatggatgc	atactccaca	558600
tgatgagtga	ctacattgga	ccctacgaaa	gtaataagat	cctccacagt	aggaggttcc	558660
gacacttgtt	attgctccat	tttttccasa	agagattgca	ccctagaagc	cacctctggt	558720
gctttattca	ctggagctac cattagaaag	atcaccttcc	gatgaagaa	ccttacgcag	atgttttgct	558780
ttccctaata	ctgatctgat	tgcacctgca	gargaagaac	gttggaatet	agttctgata	558840
ttagcgtcac	ctaaggctcc	Ctgaactgta	gacatagete	cgaacgccga	aaccttctct	558900
gaagaactct	tcgaagaagc	Ctctacttct	tragaerar	tttattt	tgataaaaaa	558960
gcagaatctt	cgccctgagt	tottaaatca	tetterrana	Cagaageete	agtatcgccg	559020
ttaatatcac	ctagggcacc	atgaacttta	gacaccgctc	CECCARATE	gaactttcct	559080
gaagaactct	ttgaagaagg	ctctcctcct	tcagaacggc	tatectetet	rgaraagaag	559140
ccagaaccyc	gudduadudg	accaaggtca	ccatcagaat	addaacattt	Catottoont	559200
addictigeet	crygattttc	agatettte	tggatacgat	CtCtaaagcc	ataasatas	559260
ggaagacgtt	ggccatgttg	cacatgggat	ggaagacata	gactagaac	ttcaccacca	559320 559320
gertgagggg	LLLCCCCaaa	gaccccttta	acocctttcc	agatteteta	33 <i>a</i> t3 <i>a</i> aa-	559380 559440
gaacgiccig	aagttggaga	acccccgggt	tetttgacag	atogcasagg	32++++3+	559500
guccegeeta	actgggcttt	TCTCtcttct	attotaggg	cctgacttgc	33G3G13G1	559560
teactactge	Laactgtatg	ttcccctaag	ttotetttao	gacttacttt	tacatanta	559620
CLALLCCLLC	Lattaggagg	aatgggggaa	ggagatettg	adcodoctac	accesson	559680
gccacaaccy	aaccccaaaa	ryacaaatta	tttaataaaa	actattaaac	222t~tt	559740
ataaaaata	ttttaaaaac	aaaatataaa	ttaaaataaa	Caaaaaaaat	actastt.	559800
taattaagta	aactactaga	tgtaaaaqaq	aaaataaaat	tagagaagge	2020220	559860
ייראאאתפדפת	addatettae	artcaaddac	Ctccctss~		*~*~	~~~~

				•		
tccacatcaa	taaaatctac	gggaccatca	agatcaaata	gatgatcgtg	gctagcagca	559980 ·
agageeteaa	caactaaatc	cgtagcaatg	gagcgcattt	tactttcagg	accatagaga	560040
ageteaegge	gattacgtcg	acgctcatag	agcttcacaa	gctcatcata	gagccagttg	560100
acaaacttcc	tcattaaaat	cgatcccgcg	attcctaacg	tcgatcctcc	aagagcaaga	560160
ataccaggaa	cgataggagc	aaatgcaggg	accagggcaa	gaagcatgat	cccaattcct	560220
acaccaagta	agattccacc	aacaagggcg	ctgttcactt	ccccaccctt	ctcaaaattd	560280
cgaacetett	cacgaattgc	agcgtcagtc	ttctgaatct	gttttttgta	gactgtcttc	560340
cacatttggt	taaattctcg	atccgaggca	atcactccag	actcaattaa	gaactggcgc	560400
accegettt	tattttttgc	ttctttccaa	cgtaatttac	tgatattcaa	tottactttc	560460
agttggtagg	cgacgtagga	aaatcctgag	gaaaccatag	ggagtgttac	agaagcaacc	560520
gccgatccta	cagaagcaac	aaggagaact	tgcatgactg	tcaatccacc	aaatcccata	560580
actatgaagg	cagcaatact	tgctaagagc	aagagtgtcg	caagagcaaa	gatgacette	560640
tgtcttgtcg	tcagggaaag	cctcgtatcg	atttcttccg	cagagatect	catatataca	560700
atcccctctg	aatctggaac	ttctatcaca	gattgggaag	tttcactctc	ttccacctca	560760
ctggggggca	atttttctaa	gcgaatgtct	ttcagggagg	tgtctacaaa	aagatetttr	560820
ttttcttgag	taagcagaaa	ggctctccac	tttccgatac	tactatggag	tateqtttqc	560880
aaaaccgtcg	taagccctat	agaaattaaa	gggggagcta	aaataatagc	aatcottoco	560940
ggagcgcctc	ctagcaatac	cgttcctgca	atggcaagga	gaatccccaa	aaccgcaaga	561000
ccaacgccaa	tagtggcaat	tgacaacgtg	atatagtgta	attttttcgc	CtCttttara	561060
gtttctgctt	ctgtaagctt	ctccccttta	gcaacttttt	cagaacggaa	aaacttagta	561120
taaatataat	gactgaagct	tgctaatgtg	gtttggcttc	cccgggaata	cgcactggat	561180
cccaagctac	ccacgagacc	cccataccct	ccaggaacaa	aattcgcccc	Caccttcato	561240
accaaaccca	tgacagtaaa	tccagtccct	acagctaaag	cacttttgat	tetacteac	561300
tcctgcatcc	tgggggacat	atagtctcgg	accatataaa	ccaagetett	Cattatagaa	561360
aatccaccaa	tacccacgcc	tgaaatggcg	attccaagaa	gaatagcctg	aggaactccg	561420
ggagctaaga	cggtcaaagc	gacaacaaca	acagaaaccg	ctaccagcaa	aggaaccecg	561480
ccagcaaata	aagtcacgga	atgggtgaaa	atactttttc	gcaatcctgt	atcttcagg	561540
ttgctaggaa	ctagggaatt	tggtactggc	gagagacticc	ggctatttgc	accectagga	561600
gttttctcag	ttgcattaga	caaagacaaa	tatcggggat	cattactaat	tootoetota	561660
gacataaaag	aaatactaat	aattatttt	aattataaaa	taaattatta	atatcaacta	561720
caccacaaaa	tagaacaatc	ccacaacaat	ttacaaataa	agtatttaaa	tttttagaaa	
aaagtaacta	aatagatcac	agtagctaaa	ggagggagct	ctatatccaa	accccaagaaa	561780 561840
accccttggt	cttgacagac	cacaggagcc	cgatttccct	tccctgagcc	tocaaaageg	561900
tcatcatcag	tgttgagaag	gagttcacaa	tgctttacac	cttcacacct	taaaacatac	561960
gaaggaaaag	tactcgcact	gaaatgatgg	acacagagaa	acaccasas	acgattgctg	201300
cctgcaaatc	tataataggc	aatgacattg	Etttctatat	catogaaga	taccoates	
aagcactctt	gagagetete	ttgcatccat	aaatagggtt	antaatata	Caaccaatgg	562080
aatgcagaga	cacagtttcg	caaagttttg	taataataat	ggtgdatata	chacgcattc	562140
aagggacgat	çaqqaqacca	ctcgccgtat	tatccaaatt	cccacccat	gaacagtaa	562200 562260
tttttcccag	gcaaacagat	ctggtagctc	aagaggagte	tcatttcacc	gaacagtaac	
caggtatece	coogaagett	attcactaag	ctaccettac	catagage	atantantan	562320
gagagaggaa	gaataaaaga	ctcttggaag	Cataccasa	cgcggaccac	clegicatge	562380
tgatggtatt	tacgatacat	gggatccttc	ataaagtaat	ggctaaatgt	cagatettte	562440
cctaagttcc	atttgtaatc	aaaccccaga	CCTCCCtcat	ctacctcctt	grycatccaa	562500
ggaaacgctg	tagatteete	tgcaaaggtg	accactogac	agazataatt	agrgactect	562560
gaatttaagt	gtttcaaaaa	ttctatagac	tctaacttct	ccttacctcc	atyaattaca	562620
ggcgtccatt	ctccatcttc	acggccataa	tcaccataca	acetagege	acagacgtta	562680
acacgtaagc	catcaatato	catcttatcg	accesses	gcatagagge	cacagcatcc	562740
ttggtcactt	catgacgact	gtagtcaaag	Gtaaacgtat	taggaeteee	tagtaaaaag	562800
tgactatgcc	ccgtgtactc	gtagagaggc	tccccatcaa	cccagtgggg	atgaagagee	562860
tctacgggaa	aatgtcccgg	cacccaatct	aaaataataa	aayayycaag	agcaaacgca	562920
tagtetacaa	aatactcaaa	ctcctggaga	atcocatata	thactatttc	tttatgtaga	562980
CCcatcactt	gatageces	agattgattg	aggggate	ccgacgccgg	agcataatat	563040
acatgagtgt	agtocattto	agattcattc cttgcaatag	ctaccase==	ccgtaatggg	aagaagctcc	563100
Cttaagggg	ttccctcctc	ccattgccas	caugedagge	yatycgccat	regetgtag	563160
ggcccttcac	tetactteas	ccattgccaa gcgcctctcc	atccance	gcacttcata	gatcgtgacg	563220
tcagaatcca	Caacaccacc	totaccetee	accoacgat	gatcactcca	agagtagete	563280
tctatttt=	Caatcacatt	tgtaccctgg ccccgattgg	graggat	caaagctctt	cccataagga	563340
teteceaage	ctacacacc	aagctccca	atcocct	cccacttata	ccgtattccc	563400
ttgacaage	Catocoasaa	aagctcccag attaaaatct	cccccccgat	cygaaatttt	acgtagagga	563460
QCCCAAACAA	Caaacacac	ccctaaacce	cetterran	agactetetg	cgcatgggga	563520
Cattcataaa	tacaateeta	ccctgagatt cgttcctcta	tagestage	ccatagggat	tgcccccatg	563580
espassass	acacataca	atcatcacc	-gyaataada	aayaatcaat	TTCTCCCCac	563640
teceentate	coattoatt	atcatgagcg	agaagtecat	congatgata	cacacggtaa	563700
		······································	почесения	OUTCOCCO A SOC	araadctaca	563760

gcgtggtgaa	gctctcctag	g aagttcaata	gcaaccgtat	gegeeetge	g acgaaaaata	563820
	- ocyaayaac		1 8008 ***	arar++		563880
-33	, agacgagca <u>c</u>	, alleadualco	: Caaddataa:	+came+		563940
		· wartttata	lacatoroott	·	. .	564000
	- gaaageeee	- cayalccada	L dagacarcac	*		564060
- 5 5	- agegaagaat	· aaaactttaa	1 888786666	·		564120
	- vygacagcui	·aqtcca	L Gacgatagac	` aaamtooooo		564180
33	· weekaagegge	· cacaaaaaa	LECSOGSOGE	· 22trana		564240
30 0 3 0 0 0 0	, eggegeeee	yaaaalata	LEGGatcata	CC222200+5+		564300
	- ~~~~~~~~	Lugarcicc	arcrraaaa	· 20022++		564360
	. ccuyyaayaa	agcacteta	. aaat.ccccca	2000000		
5 5 5 4 4	, ectigicagitt	CCCCaccca	. aactottta	taaaaaaaa	4-4	564420 564480
	. gregecee	galeccedata	ggarccctta	CCACCOTTOC		
5	, samagaactt	Luciaadato	acuacuacaa	COCHECT	~~~~ · · · · ·	564540
~~5000000	uccccaagag	alaacagggg	- CCCEacttac	actacasas	~~~	564600
	. Jycycycuct	- CCCCGaaaa	aaddadataa	+ acttata		564660
	· ccccacgac	gradattilg	- daaaacacca	ささななななかりりょう	222224	564720
	g cc cg c c ca c	LLaayalll	GEGEECGAA	Caaaatacac	~~~~	564780
-55444444	egagcacaca	acaaaqatcc	aggaataggg	201111111	0500000	564840
agtatagggc	ttaaaatgtt	gcattatatc	tatcatacaa	teteceant	ccgggaccat	564900
tcctctaccc	tatcaagacg	cacagaaact	agagtgttga	taggragge	tagteettet	564960
gggaaagaaa	ccttttcaaa	ataaggagag	tgacccgtag	Caaccaccgc	cccacaaca	565020
tcaacaagca	cctctgtagt	Ctctcctaaa	Cactteatea	tototttota	cgttacttc	565080
ttagcaacct	cagcaagata	cttcttcctc	tcatagatca	cctccttccg	gcctaccctc	565140
tcaaaagtat	atgccttagt	acgacgacga	gcactgaeta	cctgattggg	aatctgatta	565200
aagcctacat	cttcaataat	totcaaagta	tetteaaaat	ggaaactatg	cactttaata	565260
aatccgacaa	tcacatctgt	agtaaaggca	tagggagat	Citgatcact	ctctccagga	565320
acacaatcta	aaaaatctcc	gcgagaatac	ttccccttca	ttotatte	gaacttctct	565380
gaccccgatt	gaagaacaag	gtgtgacgaa	ggacaagtgt	CCCCCCCCaa	aattgaattc	565440
cggtgcagat	cttcagtgat	atcatcagga	totatagaga	gacgcgatga	ggtgatggca	565500
ccaggaatct	ggtccacctg	ttcaatcaaa	gagget nate	adattcgaat	cctctcaatt	565560
tctccaacat	taattcctgc	aattacaact	tegestate	aacgctctcc	atcgcaataa	565620
atttcagcta	aaatcttctc	adcaddacda	Casaccasa	Citiggictac	aacccctgcg	565680
atgcagtacg	agcaaaaaga	attacacca	tetterret	gcccccgcaa	ataaggaata	565740
ccctcaaaac	agcaaaaaga tatggatctt	caactcacca	accegaace	taataaaagc	tcgagacttt	565800
ataagtcggg	tatggatctt	attocaaaca	aaggtegtat	Cataggaaaa	aattttttct	565860
aactctttgt	atttttcttt	Caaacaacct	agegegeatt	gccgatccaa	agaagcaaaa	565920
cgacataact	cagattcccc	JOSEPSE	grgacaacaa	tatgtgctgt	agggttctga	565980
gtattgatta	gacgcacagc	treagacte	gaactctcag	cagaagctgt	gacagcacac	566040
atagtcaact	tgcataaatc	tacttace	teagaateca	ggacctcttg	gtaacctaag	566100
accarcttaa	ggtcgcgata	gettggaee	tcatactgat	tcacccgaca	gcctaaacag	566160
atttagggat	atgttccttt	tttaaanta	accgtcatat	acctctagag	acttcaatag	566220
atcctagaaa	gagtggctat	LLLadaatat	cactetttt	ctcactaaca	aagattcgat	566280
gtcatctcca	aaaactacct	aacccccgaa	agaactctcc	aagacgggcc	ctctaccctc	566340
ctccttagga	caatcttcag	ggaaaacaca	agaaataaaa	ggacgaaatt	tcttttgcag	566400
aaccccaaca	agatacgctt	caacaaccaa	aaaatcttct	tgataccttg	acgaggccac	566460
cacatocaaa	tcgcaaagtt	ccgtaaattt	tccatattct	gtataaggaa	aattcaaagt	566520
ctccccaatt	cttttctcct	gaatgattte	cgtcataaga	ctaagaagat	tctggatccc	566580
gatacttcct	tttgctgaaa	ccaatacagg	aagaggagag	agcaaacgta	atttcatagg	566640
aatcttcaac	tgaggaagcc	gatetacett	attcaacaca	gtaatgatcc	taggcttttc	566700
aucoccaac	ccccgaaaga	gategtaggt	Cotototaca	tactetasaa	ataaa.	566760
oguageaceg	acaacacyca	gaagaacatc	ttcatggaaa	actacttcta	220120111	566820
gacatgacga	accaaagtat	gaggaagttt	tcgaatgaag	cctacagtat	cagtaagaag	566880
cttatatata	cctcctggaa	gracgcattt	gcgcgttttg	ggatctaaag	ttgcaaatag	566940
CCCGCCCCA	acacacgtat	cagcagccgt	cagcaaattt	aatagggtgc	tettees	567000
acceguatac	cccaccaaag	caaaggtagg	aatteetegr	cgagatttta	atttaa	567060
ccccgcacgc	rgullgatca	cagctttcag	ctatactasc	accttatora	+ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	567120
gaccaccca	Cygriciaget	cgatctgttt	ttotoottoo	CCCttaacaa		567180
acceccea	gattttgcc	gagataggtg	CCCccaaagt	CtCttaacac	~~~~	567240
acaacgagaa	Lycycaddi	quacttogat	atttgcctct	CC2Ct22CC		567300
adagaeeeee	addattaact	ccgtcctatc	Caaaacgaca	addecaadde	~+++	567360
accegeige	cgggag	tgateteete	atctatoatc	aaagtcccta	+	567420
ceceecaag	accectega	tctcctccaa	Cttccccaca	ttgatatagg	taanne	567480
gggcgccccc	addatecaag	aacgggtctc	taaaacagaa	ataccacagg	33+00mn	567540
CUAUATCAAC	tcatctaaat	artetteaae	uscutususs	+-+-+-+	+++	507000

						1030/01030
agccacagc	t aaagcttgag	g agggatect	ttccttacg	a ggcaagtcga	acctggcccc	567660
		- gagaacccc	1 1.10000000	~ ~~~~~~~~		567720
	ucculudge	- 444-4-67	: ECEGGALAC	- ~~+~~~~		567780
3-333-		. uullaaalli	· LEERTCCCt/	7 Cotcobb		567840
J	- ougcaugace	Guadualite	EULCCCCCC			567900
	, wearder cour		LECATOTALAN			567960
	- gaccegeaag	acaaacaaaa	LEECCBAAAA	7 72222700		568020
J	- wacayyaaaa	. ataaqtatac	G G A A T G C C C +	. 4222++44+		
	- wywecytaaa	adaact	. acaaaaata	* >><	· · · · · · · · · · · · · · · · ·	568080
3-35-6	- welleringe	. CCCUCCCAAA	aarctataac	1 +~~++~~~~		568140
23	- geegegegae	Laturaccac	CCACCCaaat	. catcast		568200
	, sacgggreag	aaatacccca	LCGAGCTCGC	1 222000000		568260
-3-35	· warragggcc		acragagece	· +a+++		568320
	, geadacgacg	aattttttttt	LEEEGacaca	· CtCtacataa	~ ~ ~ ~ ~	568380
99904466	. ceeegggaee	LUCLALACCE	aaaaatacta	atttccc+++		568440
-3	, ccaccatact	aattuctcat	CEGGAAACAC	220022200		568500
	. uacticygat	LLLaaagtca	agaagttgct	202200000		568560
	· cccaaaccac	ayılıccaad	Eatctatect	taaaaa++++	-	568620
	geugeaaaay	atteatgaga	aaatotoaca	2212201020		568680
-50000000	gegegaecea	LLaugiaact	EEGEAAtcoo	* *********		568740
	egegaccaca	gaalagtttt	gggaatgtgc	ctatatatata	~~~~	568800
	<i>acattegtgt</i>	yaaayattga	gccactcaca	gacteteect	atta	568860
~~~~~~~~~	gattgcaaat	aaycacaaaa	Laggeaceaac	CCCtccssta		568920
tcacccaagc	acttaatccc	gcaatcaaag	gggcttcaac	Cattacccc	acacagggaa	568980
o e g e a a a a a a	acacaacca	CCadagaccc	aactcacaar	adadcadata	tanna	569040
ttacttgaga	acagageteg	tacattgcag	actorageta	caaaactaa	tcaaaattcc	569100
gctccaaagc	ccataaagaa	gtaatgggg	catgtacgg	tagggettee	LLacccacgg	569160
gcttacaacg	caagacctgc	aagatacctg	taggaggag	caggeeeega	aacctatgtt	569220
taacaggaac	aacataggga	ctaacgacct	Carcacataa	ctcacaataa	tcaactacaa	569280
ttttgtattc	ttcaatattg	CCagcaccag	cataacataa	ccgacaacag	aaatacctat	569340
cttgttcctt	ctttgataca	aattcaccta	gtctcccaca	Cadayaacct	aacatgcaat	569400
catccgatta	aagacaggaa	aagattcaaa	taaacacaat	gatteetaa	gaaattcnnt	569460
gggaacggct	gtcaaataca	tcaaagcttt	Caatcottga	gettettaace	acattette	569520
caagccatga	acaagcataa	CCGCagcctg	treacttasa	aacyacacgc	cctgtgctgc	569580
tttttgtcca	gactgtaaac	gactcgcaaa	ttgagataac	ataccectag	gattcaatac	569640
acaaacggtg	taatcggcct	gatettetag	agagatttcg	atagaateea	agcettgeaa	569700
caaaacagcc	caatctatca	aataggataa	aggatattca	tacaaaataa	cacagtetag	569760
tgactcattt	tctaagattt	cagtgttcga	aagaatetge	torographen	agaggaaccc	569820
tacccgtacc	acagaaccat	atttgtcaaa	gagccgcttc	ataggage	gcctacgatc	569880
aaaagcaata	aataggttgt	ctaatcttra	atttgcgctc	tantanana	cagaagaaga	569940
agcacagtta	tatccccaat	Ctaaggacat	tacatttata	222tament	tttctccctc	570000
gcgagagaga	aatgtttgta	tttgtgcttc	atageggee	adategaget	tctgaaaata	570060
gagctttctt	tgcaagetet	ctagatggcg	atutaaaaa	acategateg	ctgtctctgg	570120
ccaaatgtag	gtaagaaaag	aatcctttaa	daadcatcta	togggettt	atgaagacga	570180
aagaagatcg	aattgcgcca	aagcatcctc	addadaacat	tottototo	ccaacgccaa	570240
taccccgtct	gcgtctacac	taaaggaacc	tgaatctgcc	cottetetete	gacagctaaa	570300
tgcttgtaaa	gcatctccgt	agcgaatcaa	tttcaaaata	tonggnerat	aaggagacgt	570360
ccccaaa	aayaytayaa	diffectedae	atacacaata	acttoneen	An	570420
tcccagtaag	ttccactgtc	tcactaaato	tasaatoata	ttartatar	taagatccac	570480
ctttaacagc	gaaagtgtcg	tagataggg	ctcaagttta	ccgacgcgga	cacaatcttt	570540
atcaatatct	aaagatcgat	ccttagaatc	aacaatcaga	aatatattt	graaactctg	570600
taagaacaag	gaaatcaact	cggaacgcca	atactcattc	cotangan	gatececteg	570660
agtccactcc	ttttgcgcaa	caatttctgg	accectatee	totaagacac	cttgttgtgt	570720
cttgcctaaa	acgagaccgg	agacagcaaa	aggagteget	ccccgactag	gttctaaagt	570780
aagagcaaac	ccgaggacca	cagcccacaa	tecgataget	aagettaaaa	graaacatcc	570840
uucuuuuucc	aaacagctca	aagcccctag	Gactasacct	acataataaa	++	570900
tcgttcagta	aatctttcgt	tggaggagtt	adoctotos	gryraataca	ttcgcgatgt	570960
aggaacagag	gttgccataa	gaataccorc	tattogtane	canadagtag	argaagttac	571020
ttcttggtta	aagattgaat	caccccttcc	ctctttasst	ctataataa	aagttgccat	571080
gtttgtattt	cttcaggacg	atctttagta	COCCORDACO	acadagaaa		571140
caggagggag	ctctaatctt	gttgcaacaa	gattaggge	atatttese	acccaacatt	571200
ctaccgaggg	ttctagaacg	gcaaccdgag	atttcccata	accasatta	acgacacgtc	571260
ccaaggtgct	atcaaaagaa	cggacacaaa	ttccaaacta	anataaaa	taatcacct	571320
naaacnttcc	tatatasaa	ucaacadaad	2210233003	tagacaaaaga	Laatgeteet	571380
					· · · · · · · · · · · · · · · · · · ·	C 2 4 4 4 C

## PCT/IB98/01890

ctaaagacc	g cttagaaac	accatcaget	- cttcaacct	a atamana.	a tagggaagca	
		- gaaaaaaaaaa	1 ICCAPATEA	~ +~~+~~~~		571500
<b>- -</b>		· uttaaauta	COARACCAS	· ++~+~+~	- 4	571560
tgccaagtt	t ttcactaatt	gcctttgcca	aatctatat	a cicicidaci	acttcccct	571620
		· yyayyal.al	I Fancartaa	- ~~~+~~~~.		571680
2		· Caacttutte	1 AACATAAA~			571740
taaaaaaac	g gcctatttgt	tttatcatos	aagutuaagg	tatialada	ataaatgctc aaattctatc	571800
J - J	- gorowcacac	· Caaaaalaaa	I FACATCASSA	. +~~~~~~		571860
		· yaycaallii	. ГОЗАСОТЬЬ			571920
55	- www.uuugo	alaallitta	CCACTTARC	. эстаэтэст		571980
		· ccacaquata	COEECEGGG	·		572040
	, meecaceace	acaaycatca	LCGGGGTTata	, העשששששע	· · · · · · · · · · · · · · · · · · ·	572100
		gaccadadcc	. aaaaaactat:			572160
2225	- ywwywcuuuu	aaccccatgt	LCCCAAGCCC			572220
	,	aagutuutuu	accadedade	·		572280
5 - 5 - 5 - 5 - 5	· www.googacc	CCACCACCAG	aggcccctcc	· +cc+ccc+-		572340
	, accedence	Lucadicaad	GCC3Ttddc2	=+~~++~~~+		572400
2 - 23	. www.cgageg	CCLCCCCC	EECCTOCCAE	~~~~~~~~		572460
J - J		gradutteet	arcccaatca	· ^>++>>+>	<b>~~~~</b>	572520
	. addacageee	aayaaaatca	Cacaaaatcc	· aastattast		572580
33-34-06	, acareter	CLLGaacagg	CECECEAtet	2221020000	* · · · ·	572640
- 5	. 9994944999	aactuctete	atcotoccta	taatataaaa	<del></del>	572700
	. agagagcagc	ayaaatuata	LEGECEFFGA	TC2CC22CC	~ ~ ~ ~ ~ ~	572760
		LULLULUUGG	Caaaroccaa	+ c+ + + ~ + ~ ~ ~	~~~~	572820
	gecacgeage	actiditact	CCEECAFAGA	<b>たたたたちゃたべって</b>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	572880 572940
	. acacactgca	acticidatad	CCTTTCtaac	22220000000		
	. wategeager	Ludautaato	aagaaacagc	Gagagactta		573000 573060
		CCCageque	Loggaatttct	tactacaaat		573120
- 35	CCGGGGCCCCC	actgatcatt	CCCCacacac	tacatocast	C+-C	573180
	Ccccggaac	archdcccdc	CCCCCCCCCC	actgatggag	2000	573240
33-0000	guagattaat	adulledaaa	OCARtatora	20202222		573300
. 5 5 5	agecgaegea	Lightgatte	addatadaat	actgagagat	***	573360
	- uccere	aaycaacccc	acorcaatac	teterrette	**~~~~	573420
	- Garceragggg	alcleceted	GECECCAGCE.	<b>クナナナクナナケル</b>	4- 4- a a- a- a- a- a- a- a- a- a- a- a-	573480
-3	CCCCCCCCCCC	gatttacaa	actordodet	2011-0-0-0-		573540
	acagegeeeg	Cyccccccca	accctctata	Caagaatatat	t	573600
	- ccagccacc	LLaalyaaga	CECAGATECE	tettaaaaa	~~~~~	573660
	accatgacta	LCCETacgac	tcatgagagt	ttgacgttag	agaggeatatat	573720
3	gauacactac	alaaacgcat	agcaaaccta	ttaaamaatm	t	573780
	accettete	Laagcaatca	gccggattta	Cttttc===	*****	573840
2	gedatteata	ytaaqcttga	attaaaaaaa	Cacttcaata	a + a + a + a + a -	573900
3355	ccacycciaa	egegegatga	aggcagt.ggt	Ctctcacaad	20020000	573960
	caggeageac	aucticitate	CCCCartta	Caccatooto		574020
	accadagaty	CCCCCaaaga	Offaaaaata	Cttctactta		574080
acacgeeee	aaaaaaytay	aaaacqaaaa	gaaactccaa	aaacttctac	~++~~~+	574140
~gggcccca	gracicaage	ctccagcacg	Ctatecttea	acconttate		574200
tgaaaagaac	tgcaagttct	ggtcacgaca	tcctgaagtg	atggttttag	atcccatact	574260
ggccatactc	tgtatgcagt	cccacgage	tactttccca	aattatcaac	tggaaaccga	574320
aacacggtta	ttagaaaaag	aaaccgaaag	tacctttagg	aatgggtgga	acgtttttt	574380
tgatcagttt	aatctcttcg	yatcaaaact	gggttcgcct	tcttctccca	cagctttaag	574440
acaaaaaaa	tcgaaatctt	Ctccaatctt	rigiticati	aacaactacc	ctaaacttct	574500
atttacacaa	actccgctag	accttttact	agacgcttc	caaagagagg	cttctcatag	574560
agcgactata	gtaaaagata	ctagagagaga	ttcgttaaaa	tacggtttcc	ctctagctac	574620
cacggtcaca	aatcaatact	atttatataa	ayaccagttg	atttgtaatc	tcttaaaaaa	574680
cctccactcc	gcatctgatg ctaagttcta	atmaactccc	tratatata	agacaatcac	tgataggcta	574740
tgaggctaac	gacgtcgctg	ctatgactac	tatacette	gargacgtca	aagagcaagc	574800
gatcatgtct	gatcgagata	ctatctcaca	araasstate	cagccgtttg	ctgtttgtct	574860
tggattttta	aatacaattt	Ctccggaaaa	agacgctcct	yaaaactttg	ttgcgatgca	574920
caaccactac	ggttgtctct	tocctagaaa	ccctacaact	Caacatcaa	tccgcttccc	574980
ggacagctca	aatccctagt	tttgcatgag	gtacttatto	ttacattta	actcaaaacc	575040
ccgcgcaccc	tcaaacagca	tcctgacgag	gtccatacco	ttcctatte-	ccatccccta	575100
cegeeeggag	aaggatcgcc	aatactgatc	gcaggcccct	gcacctta~	cccaaatcta	575160
catacactct	-+	+		. ·	aayccacgag	575220

_ 1						1270,01070
atcagaaaa	c cacggacaaq	g cccattttcg	r tttcaaggai	t gggagaaaga	gtgtgtgctt	575340
	<del>,                                    </del>	, catteature	CECCCEACA	7 222000020+	• + +	575400
~ J		. Cuaacatutu	uararcctc/	· ~+ ~+ ~ ~ ~ ~ ~ ~		575460
	- CCCCCCCCCC	aqaqqtcaqc	aaatcacato	~ atacasttat		575520
J 5 ;	g coucecting	aqaquqqcta	. Tacacaacaa	T 20t202t00t		575580
	- ccggggcaat	. cctttgtgaa	. caaaaaatta	* 0taccttte=	~~~~	575640
J	- cagaccccca	Lacequique	CECCTTAAAc	1 202101010		575700
	- cececatge	aucuuuuaau	COTTCTCTAC	, ttcttaata		575760
~	, .wgg.gccga	Cygicilyata	attegaagtac	· atocacacco	+~~~~	575820
	, -gaagcaaca	gallacquece	gaggagette	· acctattec	+	575880
	- cagaaccacy	guctaataca	atttettaa	2 2 t c c c c t t c c c t	~~~	575940
	· caaaaaaaacc	Lilalitaag	aactcttaaa	: ttaaan++aa	0000	576000
	. caccagaaa.	LLLGLLLEAL	Latatttaat	· atasstst+	+ + - +	576060
3	· cccccactat	CLAACAGCCA	attogaagaa	CCCC22C2C		576120
	. cyataaaaca	agcqtqtaaa	- EEEEEACCEEE	*	200000000000000000000000000000000000000	576180
	. caccaaayta	Lucagaaag	CEECEFAAGO	, acactetes	000 th a train	576240
3-3-49-666	. accaagece	GCCCCCCCCC	CTTATOMACO	. tactatataa		576300
	. etacgaatga	aldaladaaa	acaaaacdaa	CCCC+ C++C+	+ ~ + +	576360
2 - 22-3-35	· · · · · · · · · · · · · · · · · · ·	caaacacaac	ttaaaaaaact	Caccatctct	F3063333	576420
	accedagaga	aacctaaaca	actcaggatc	tattttagtt	atatottoto	576480
	cacctaaget	Lycyttttga	ctttatttt	ccaagtgatc	traataaata	576540
ccacaaagga	aaayycyact	agagaaccta	CCCaagccaa	tageteceea	220240000	576600
gagaccac	cegaacccat	ccatagccca	gagcaccaac	gaggactcct	CCCC33CC3C	576660
goodget	cacacggcga	CCLLtaggag	Ctagaagata	Gaaacccaca	aaaaa a t	576720
Jacanoucuc	rgacaggeta	Lagerraaaa	tcaagacatc	tacqatqttt	C+222222	576780
	aggagetgea	accyccaaac	ccaatactaa	ataaccataa	+	576840
	geacecetta	gegattaget	ggcttacage	atteatases	~~~~~~~~~	576900
gagagaac	cgcaacgccg	alygcagcag	ccatcacage	tactaataaa	ggat t ggaaa	576960
	ggcaccaacc	agagggcatc	CECCETTAAC	acctactes	~~+~	577020
adoccaaaaa	caaayyyaca	aagttaaaaa	gaagaagaac	aaggcctgcg	CCtacaccc	577080
	gegeeeegga	yayyaygcag	ccacacacct	ttocaccata	tectactors	577140
caagcacaaa	gagcalaggc	atgaatatcc	aattggaaaa	Cttcccacaa	adaaataatt	577200
ggaaaggatt	Caacacagac	aaggatttag	ggacagagag	CCatacacaa	3030000	577260
cgagcaccgc	aacaagaaga	aatcctqctt	ggatcacatc	antacataca	20000	577320
	rgaggtatag	gatgctaaga	Caatccaaaa	tactacaatt	30013011-	577380
	gergeraaac	aaccyatcta	aagcaatcac	ctgagcgacc	accetcasas	577440
	egeggataat	aaaaaLucga	tettacadad	Ctttttags	costssss-	577500
cccaaagat	agagactacg	gregetaacq	atccctctcc	Caaccocttc	00000000	577560
uaagaa	waredacett.	aaaycdactc	Ctaaaggata	aagaatcccc	GG3+33-65+	577620
	Ciccicagia	yccccaadaa	gracacedee	accosttta	at acas	577680
a u g u u u u u u u	caaayyaaay	atttttaaac	tecttectae	aagaaaatag	ctctccccat	577740
	ceryclacea	Cyacgeccca	CGtacaagca	gattccctga	atacctates	577800
ggadadacaa	aaacaacyaa	adattcataa	aataaagaac	treacaacet	222ta2222	577860
	aaycaaycta	Cygractaaa	Cttaaagata	manatactac		577920
-9-99-9acg	gagataacgt	ccagaataac	gaaatettaa	CGaggatage	Cattosasas	577980
woude couga	cccatatac	aggetata	tgacatacag	actetasaat		578040
acadactata	aaagctacca	gataaaaatc	tataacaaaa	ttttctatct	CC222C2C+	578100
	gaataaaqtc	autctgaaaa	attatttt	3033355a		578160
-geggeeee	Cittatate	Ligaataatt	ttattaatar	ttatttmass	2 t 2 7 7 7 7 7 7 7 7	578220
g-godecege	cyclycattl	Lycaycgaag	gagetteata	atogcaocao	tatamanan	578280
~~ggcacage	accaagacto	LCagaaaaaa	Caacgctctc	taagattgat	A A 44 44 A 44 A 44 A	578340
gecaacgget	greattataa	agutqagaga	Coctetatad	ada adat tas	+ - + + + + +	578400
gacacagega	ggctaacgct	CCLLCCaact	ttactacaaa.	CCAACCALCE	at	578460
	cccacaccc	COCCCCCCCCC	agaacattcc	202222222	CtCCatccct	578520
gagettgetg	ccccgaaagg	aacuttacta	ttacaccctt	aactteect.	*	578580
cegecaaaag	gugaatgage	TTCCTaccaa	teteacattt	aatcatatco	~~~t~t~~~	578640
3944996466	accacytaaa	LLCCALTGEG	Catcccataa	gaaatactct	atanconana	578700
acacccagg	accygagagg	Lagegageaa	tcacatctcc	adctctttca	atatottono	578760
ggettataag	aaycaaaatg	gagaggttcg	Cadcadcctt	tcgagaagaa	aggetetee	578820
aacgcccccc	cyccaaaggg	actccatgga	ttcctaaaga	CSCSCSCC	anàan arat -	578880
cccacacac	aayaygttga	ggagagcgca	acceteaace	adadagtete	tacconna	578940
geeceatge	ayacyyagaa	grgcagcagc	ttgaaaacgr	acttttqcaa	2+0020226+	579000
gcacaccaca	Lygegeactt	tactaagaaa	chatttatas	ttctataaat	~~+~~~	579060
-urraaaaca	בחבבלחבבבח	~~~~	0=0++0= <del>0</del> 0=	++	-+	570100

						/1898/01890
tgtaaaaat	c tcagtagtct	ctggcaaca	t accgttacg	c aacacttcad	c aagtgaacaa	E70100
						579180 579240
						579300
						579360
						579420
		· vvcuaauau	: CAAAAAAEA	3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		579480
						579540
	-3059000	· cggaaduati	. EECGAttccc	· +~~~~~~~		579600
		· yartatuaut		·		579660
		uaaaaaaaaaa	AFFFFM2000	· ~~~~~~		579720
						579720 579780
						579840
-	,	- cataucacci		• ~~~~~~~		579900
			CCGTEATTAS	* * * * * * * * * * * * * * * * * * *	4.	579960 579960
_		- 444CLCLLUC	- 4000250555			580020
	9994	LLUadaLCCC	ggratacatt	· ++++-~		580020
	,	acgate tele	_ dlddcrafa		Andrew	580140
		accuataani	じびしてものうったっ			580200
	woodgcaaa	4 Cacallaac	aactttctct	3 + + + ~ + +		580260
		acaucccan	Udarccctca	* ~ ~ * * * *	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	580320
		CCauduanan	0788080880		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	580320
23 - 23		acceattuat	CCCACCAAACC	333565		580440
		uuaaauaaa.	LITTERACCE	taataaaaa		580500
		CCCatducte	CECETTACASE	CCCCCtc		580560
		Cuacacadaa	20110021000			580580 580620
	-3		COCGAGGAFF	34333444		580680
		auauaaua	dictaccatt	31011		580740
,	3 g uugg	addudatatt	CITCACAAtc	C3 + 3 + 5 5 5 5 5 5 5		580800
		guactacte	aagateeate	21227777	A	580860
	g accetata	yaalaacac	<b>CACCCAACAEC</b>	20222		580920
	uggatt ttga	yaqcqtataa	CCCCatttc	atconon	· · · · ·	58098Ó
. 222	u u u u u u u u u u u u u u u u u u u	accidateed	Cardaaada	20021000		581040
	- Lycalact	actatected	LEAGCCAAtc	Ctccattat	<b></b>	581100
	~~cegcaaag	actacticiti	acarretact	Castototo		581160
- 3	o c c c c c c c c c c c c c c c c c c c	aactttttt	CEARARTECA	attann	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	581220
		<b>Yacaaa</b> ctoc	acaaaattat	2202200000		581280
	un u u u u u u u u u u u	yaaacuctaa	CCTTAGAAGC	CC333C5		581340
5	audata	Cuatuaatta	EGEAFAACCE	30t003000		581400
2	~g~cggacga	CCCCCC	arrrdaaaa	201010		581460
	actigaq	aatatteeen	COTACTTECE	*~~~		581520
5 5	wg cauactta	aaaayuuccc	Lagcccaact	anatataaaa		581580
	5 c caaa caaa	gucudadad	aadcrcdtct	202000000	An An	581640
	ugecactific t	aatuttuaaa	CTCCTACCAC		4 4	581700
	geegace	quoquacteor.	acgrecacat	+~++-+		581760
g -ucucu	gaccytatau	uaticiccorr -	CCTACGCTTT	~~~~~~	A. A	581820
	gagaccacca	accarcarr	ナベナナベナベトトベ		a contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of	581880
	gaagacaa	LLLaLuuurr	<b>CCTTCCCC++</b>	~ <del>* ~ ~ ~ ~ ~ ~ </del>		581940
	auautacyta	authechece	FFFMFatoss			582000
	yw - cu caaaa	LLCLLCTCAL	22242424			582060
	geogeteada	auttacecce	CCAAMMACHH			582120
J	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	aatttuuada	rarraras	++-+	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	582180
tttcttctat	agaatacctt	tagaatttt	tactcttgag	ccttacaaag	agcattcgtt	582240
ttttgaatcc	agagatatgc	cccaygaaac	cttanaatct	cctcaagagg	tatttcgtgt	582300
gcttgcttga	ataccggaag	gcyaaaacca	agctgcgatg	tttatctcca	aaggtagtga	582360
aaagacatac	gctctcccaa tagggaaatt	caaaaccaa	ttancaaacc	tcgaatctcc	ccatcagatg	582420
aaagccatgg	tagggaaatt aaacagatca	tatcaceecc	ceagagaccc	aaccttgttt	ccctttttta	582480
tcagcatcgc	aaacagatca tgaagggcat	attectetet	-aayyagttt	tattttcccg	ctacttccct	582540
tattttcaga	ttccctctcc	Cacttotoco	mactactete	gctattacct	gcaacatatc	582600
cttctcgatc	ttccctctcc tatattttgc	aggaatttat	gagillitet otattt	cgaatcgaga	togotottto	582660
ctcttacaat	acatcaaacg	Cagaaateee	gtatttiggg	cagacttaga	atcgaaacga	582720
gctgaacagt	ttgctcaatc	ctactttata	gacytyygca maattaste	rgtttgtccc	taaacatcaa	582780
gattatgatg	agtttctccg	tgageteete	acaddaates	guidetgeet .	aatcgctggg	582840
accatcccac	aatttccacc ;	acadacaccd (	ttaccaatca	ttaga	tcagcaattc	582900

						11090/01090
gctatggaac	tcgcgaatcg	tgtagctaca	gaactctcca	tactctcttg	tgggaatcta	583020
accagetegg	, acaccacgaa	tgcctatgta	gaagetaaaa	trarctator	tattootoot	583080
cagaac	. grcayyccya	Cliccatore	gaccttgctc	r tatttottat	caaaaaa + ~	583140
ggaacegace	. Legaactect	LCEGGAGCEE	attagtetea	ESDODBORSS I	2222CC+C++	583200
geeceegee	. ccccaaccyy	acctgtagac	tattogaaat	ccaadatcac	agetttgtat	583260
auceceaace	. arguigtagg	aaccattcga	gqttctgaar	gggtacacaa	ctacctatta	583320
egectateet	caycaaaggc	aggcattgca	atetteegea	gatatotoaa	tratarreta	583380
occurage ac	cryaacaccc	Lylccctdaa	gatggtfffn	r ttatcottt=	Caat Coat a	583440
gtaagatgga	. aaccytayta	attacacggt	CCacgaatga	atroacette	tttamaaaat	583500
	acticiaaaac	aycacggatt	LLCCttccca	tttcttdaaa	tttaacccaa	583560
cccacyccca	adatataget	ttgatccaag	ccaaatttct	gricticca	202200222	583620
egeategega	aaatcggttg	tgcgtggaga	tttccttctc	tcagaccaaa	aggtetgagt	583680
ceegeaceee	acceacagta	aaacggccgc	tcaggaaaag	taagateeet	acttacaata	583740
caacegcage	cyccatacaa	gcggatctgt	ggtgtgtaac	gaaacgaaar	gaagagateg	583800
acycccccat	Cactcaaatt	aaatcttggg	aaatttggat	gcgtaagaat	aaactcatct	583860
cccaaatggg	acgagaggtg	ccacaatcga	aacctaaaac	tccatttatc	tatagecect	583920
gaccagagicc	cygcaacaaa	gaaatctgaa	tttaccatgc	acgattcagg	atratctass	583980
ccaaaaactg	ayaayactcc	tccttgaatt	ccgaaatcac	aatctacato	gaatcgagaa	584040
acaccaaaaa	yacycaggag	aataaaatct	CCCCCaaaga	tggtagcacc	taccccattc	584100
cccacgaccc	cccattaaa	acgaatgcca	gcactattaa	taacctgacg	aggatetes	584160
accaaaggag	aaaacaaac	ggtattttga	ggtaaccata	ccccttcttt	CCCCC2C222	584220
accageacte	cladagettt	Ctctttaggg	agtaagggac	gctccgcaga	agatotoott	584280
argearreac	cataaggacg	ctcgcaaatc	tccacagcac	atatgaaggg	aagatcccta	584340
acadagicgg	taatggette	tgataaactc	gaatctacag	gcaaagagaa	aagatacgct	584400
CCALLCLLC	Caacaacaac	ttgcgtacgg	ctatctaaaa	aatgcatgtc	Caaaagagag	584460
rgcacataac	cigiaagata	acagtcgttt	tcatagttcc	agagatgatc	caacaactaa	584520
cccgaacgca	aaacagactt	agtttcgtat	ttqcaatcqq	ggcacaaagg	CECECCCCC	584580
gcgacgccac	ccacaaagag	taccaagaag	ctaaagagcc	aacaaaacca	adaatadcaa	584640
gagagaaag	cigicitat	cytaaagaca	gtgtatagag	aagaaagtar	ttatttccca	584700
acacigiala	gcaattetta	aaactaagag	accctaactc	Etttcattga	tettteeat	584760
ccycyaayay	aygaattcac	aacagaccta	caaacatctc	catgtagaat	cadettattt	584820
cecceagaa	ccccgttga	aaatccactg	gtcttctcct	tatggattcc	ctcccttcta	584880
ccycagagac	Ctaaaactct	gaaccctctt	aatgaagaga	aggaggatc	tcagctctga	584940
cccggactag	crarettee	aatggacgtg	cttqccttta	gggtctttat	trocaggett	585000
ccccaagacc	cctttgggtg	tctctataaa	tgaggtctca	gcatcttctt	attrictor	585060
cacaccaccc	rgttttggac	tgcgtgtgta	agttcgcaaa	cotatotaao	aatacattaa	585120
ayaaaaaccc	yayygagaac	gcttcttgct	tccacgtcct	gtaaacgttc	taatccatto	585180
aacaaacczg	ccaacgaatc	ctttgcttgt	cttcgaatga	gaaccttctc	tettagatta	585240
cccgaaacgg	gcttctgaaa	tgcctttgac	cttcttctct	aaagaagett	tecceatett	585300
agaacccgag	gccaccccaa	ctgaagcact	cttatgcttt	ctacgaatec	Caccaccacc	585360
acycaagega	gagttccctg	aaaggggtac	atccttttc	ccatcttctc	gagaaggatt	585420
CCCaccccca	taacttccat	aaggattgac	ccttatcata	attacctaaa	aaatttttc	585480
aaaccccacc	ctttaattat	agtgagcaaa	ttagaaaaga	tttaaaaaaac	ttttaataaa	585540
cayaactata	aatatatett	aataattaac	cgaaactaca	gagcactcct	tacatttata	585600
gaggeggeta	aagnnaaatc	agaaaatqqc	tatccaaaaa	actagaactt	tettaagatg	585660
cccccaage	gaatcacgcc	cttacctgga	gcacgctatg	Cutagaaatc	cccacttttc	585720
cccccaag	cctcagtatc	tattttctga	aattagtaaa	aagettgete	agtttcgcaa	585780
ggagaattta	gaaatctctg	tcatagatct	ttctatcgga	gatacgacac	aacctctctc	585840
ccyctccatt	actcaggcaa	tcaaagagtt	ctacatttct	Caagagaaac	aagagageta	585900
ctatgagaat	ggcccagaaa	ccggattaga	aaaattacgc	acaaaaattg	cctctgaagt	585960
cttccatata	agaaccccc	ctgaagagat	ttttatttcg	gatggtgcca	aacctgatat	586020
tocagettat		ttggctcaga	aaagactcta	ggtctacagg	atcctgtcta	586080
Cacaaaaaaa	agagacattg	cccacattac	aggaatecge	gacattatcc	ccctagcatg	586140
cayaaaagaa	actgggttta	ttccagaact	tccgaaccaa	caatccctag	acattette	586200
tataaactaa	gggaataa-	ccacaggaac	agttctaacc	tttcaacaac	tccaagcact	586260
tatataaas	gegaateage	acggaaccgt	tcttatttt	gatgcggcct	atagcgcctt	586320
tatagaaata	anchottac	ctaaaagcat	cttcgaaatc	cctgaagcaa	aatattgtgc	586380
catastacat	aacccccccc	ccaaaccatt	aggctttact	ggcatgcgcc	ttgcctggaa	586440
actetitaca	actacatte-	cctatgacaa	taacgaacct	atgatcaacg	attggaaacg	586500
cctagattta	tttcccaccca	acguagcatc	tctcctcatg	caagaagcag	ggtattacgg	586560
taaaaaaaaa	ttagaaacee	cccccccat	ccccttatat	ctaaccaatg	ctcagaaact	586620
ttgggtagaa	ctccctcase	caggarictc	agttcatggt	ggcgatcatg	ccccttacct	586680
gtatcatatt	gcagtgacta	gaacecega	Lyaagaagcg	tttgatttct	tcttacatca	586740
		Coquecacud	rrraagtcc	tataaacaaa	datttattca	586800

. •					PC7	F/IB98/01890
tttctccgct	ctgacacaa	c cacaaaata	t cgctttagc	c tataaccac	tctgtaccgc	
						586860
						586980
						587040
						587100
						587160 587220
						587280
						587340
						587400
						587460
						587520
						587580
						587640
						587700
caacgcctgt	cacctacaac	: Cacctttaat	gatgiggaca	aggaaaacaa gcctgcgtaa tcaagtactt	aatcattgct	587760
						587820
						587880
						587940
						588000
						588060
						588120
						588180
		- aucceaaioa	TACETCA3000	~ * ~ ~ +		588240
						588300
						588360
						588420 588480
						588540
						588600
						588660
						588720
						588780
aaaactacag aaagacaaat a	Cottatagaa	agcatacta	tatta	cagcctgagt	catatgtaat	588840
aaagacaaat o	gttcttcaga	ageatgetta	Caagaaaaa	gacagataga	gactaactct	588900
acattctcag d	cttcaggaag	tccacaaact	totageagg	aggactcgat	taaatcctca	588960
		CCCCCCCCCC	TACCA ACCA			589020
						589080
						589140
		a caaaaa aa	72CT777	~~		589200
						589260
						589320
						589380 589440
						589500
						589560
						589620
						589680
						589740
						589800
						589860
aacccagatg c tgagtccctg t catgaaactg o	agcttgtga	tatacatota	ttaaataacgc	cagggaaaga	tcttcacgac	589920
						589980
						590040
						590100
						590160
						590220
						590280
						590340
						590400 590460
						590520
atttctaaat a	wuuucaaaa a	alalaallaa .	AATAATACSE	3 3 th can be as a second	caattgtta	590580
			~~~~~	~ <del>~ ~ ~ ~ ~ ~ ~ ~</del>		

_						-270.01000
catagctaaa	ctaaatctac	tagcttaaaa	gactctcgat	ataaaatcgc	aatagcctgt	590700
~~~~~~~~	. acagactett	gacgatcaat	Cactgaagat	aacadcccta	Ctctctc	590760
	LUCLLLALAA	gacttcaaaa	aatgcaaata	222464646	***	590820
uacgageeee	. cayaaaayyc	aggataccta	tttaaaqtaa	ataaaaaaat	Ctataggtat	590880
acaccccc	. carggractic	ggtetecaag	atgatgaaca	trattadada	CCSSCttsst	590940
acadddaaa	gtcaagaact	tctactccca	cttctccaca	atgctgaact	ttggcaacat	591000
acagggagac	gggaggcatt	tacttcggaa	ggactgctct	acactctcaa	agaccgcgaa	591060
taactataat	actycctage	tcctacacat	gaagaggtca	tctgctcttt	tgttgcacaa	591120
racraratta	caaaaagaca	acttectete	cacctttacc	aaattgctac	aaaattccga	591180
tatacettet	gccctcgatt	cygteteatt	cgctctcgag	agctccttat	ggaagacagc	591240
tatagtaaga	cagactetee	totocatate	aacgagcaat	atgaaaaact	ccgctctgcg	591300
aaaatcggca	tctttgatcg	taaaaaattt	geetatgtea	tcgttacagc	tgatggaggg	591360
atctgcgtca	aaggaaagtc	tagaggaattt	caggicettt	gctctctagg	cgaggacacg	591420
catqcctacq	gcggttccta atcgcgagtt	tetteceate	arryaggerg	ctgtctccat	tcctccacag	591480
atagaagete	tagcaaactt	ctrctctatc	cccttacata	ccacccctgg	gattacaaca	591540
gtaaaactct	cctactcaaa	tgaagaaaa	ttCattacata	adattttaaa	aacccttgtc	591600
caagtcaacc	tagtgaaggt	cocttccaaa	Ctraatroca	ctggaatgag	aggagatcgg	591660
gatgaagaaa	tcgaacgcgt	tctaggcaca	gaaaaaggat	teategatea	tctagettet	591720
cccatagact	ttntcgcaga	cgaaacaacg	tccccaatca	ccatcggtcc	cctaaactgt	591780
aatgctaaag	ataagcacta	cgtaaatgta	aactgggatc	acasactact	ctgtgcgggc	591840
tacggtgact	ttctactcgc	tgaagagga	gacacatgtc	Ctcaaaatcc	tagaabaa	591900
taccgcattt	atcaaggcat	agaagttgct	catattttca	atctccccac	rggecatect	591960
gatagttttg	aggtaaactt	ccaagatgaa	Cacagacaaa	CCCaccacta	ctggtatacc	592020
acctacggca	ttggagtcgg	aagaacatta	gccacttata	tagaacagct	taccasess	592080
cgtggtattg	tttggccaaa	agcactcgct	cccttctcta	tcactatogo	Ctttaacgas	592140
ggagacactg	tatctcaaga	gcttgcggaa	actatttatc	atgagetaca	aagtcaagga	592200
Latyagecee	ttettgatga	tcgagatgaa	agactcggat	ttaaacttaa	agacagtgac	592260 592320
Cttateggea	ttccttataa	gcttatttta	ggaaagtcct	accaatcttc	gggaatattc	592380
gadattgaat	cccgatctgg	agaaaagtat	acagtetece	Cggaggcctt	CCCtacttaa	592440
tyttagaate	acttagccta	gctctttgat	cgctgccctc	ctcgtaaaaa	agttagcatt	592500
Cattedatte	gagtgctaaa	ttctcttgac	cttctcgggt	tetttteeta	taatgctctc	592560
agitacgatt	gttctagtag	gactcgagat	ggctagatcc	aaagteteaa	acceacatte	592620
aaaaateett	gatatectgt	ttgctacaac	agagttgtac	Ctaaaaacad	adcadcetat	592680
agggtttaaa	actttaaagg	aaagtttttg	ctctgatttg	agtacggcaa	ctataacaaa	592740
ccactitigca	gaacttgaag	ctgaaggatt	cttaaaanaa	aatcatactt	CCGGaggaag	592800
aacccccaca	gacctagcat	tacgtcacta	tgtagatcac	caagaagaat	acccadaadc	592860
tgagatttet	gccccattt	ttgataagnt	cagtcngctt	ccctagcgaa	actcccaata	592920
ttattaagga	tctacaaaaa	gctacggaac	ttcttggaga	aatcctagac	ctacctacat	592980
	CCCacgcttt	gaaaatgatt	ccgtaaccaa	tattcaaatt	acacaggteg	593040
tatageaaag	agctgtcacc	atceteteta	cggagtttgg	tcagatcttc	acagacaccc	593100
actacatece	tgaagettge	gatactcttt	ctatcaaacg	tatagaaaaa	ttcctgcaga	593160
tatacataca	aaagctcccc	acaaatgagg	aactttcgaa	aaaagaagaa	cacctgagca	593220
aagateteta	tcaaacaggg	grigiceget	atctaacacg	ctactgcaac	tttagtgaag	593280
aagttctagc	tcaaacagga	totottttt	cactgaaata	cgaagcgttt	aaagatcctg	593340
atataggaat	tctaggactc gcataaagga	agagetacag	cattanta	acaaatgtgt	gagcttctaa	593400
tagggacctc	gaatccagga	tottctotaa	ttactattco	gaaggagctt	tctgatattt	593460
cactcggagc	tttaggtatc	ctaggcccga	tcaatcttcc	ttataaaaa	aatcgctctc	593520
tgctcaaact	atttgcgaat	aaaataaatg	aaaccctcac	acaaaggaa	getetteett	593580
aactatcctt	cagaagacca	ctcacctcta	actotaaget	ttccaatcac	cacaactta	593640
gaacggagta	ctcttctata	aaactattac	CCtctaagga	gacgttatga	cagataccc	593700
acctgaaaat	gaggaacaac	acqaaaqcaa	tottcaaaac	gaegetatga	ttgaagettt	593760
gcaacaggaa	atcgtcaccc	taaaaaccga	attaaaagaa	aaaaacgaag	agtatotost	593820
ggctctagca	gaatctgaga	attctagaaa	acqcttacaa	aaaaaacacc	agcacctcat	593880
gcagtatgct	ttagaaaata	ctttaataga	ctttctcaat	CCCatagaaa	acatagagaa	593940 594000
agcectegga	rrrgcracac	aaatgtccga	cgatgtaaaa	aattgggccc	tcccattcaa	594000
catgattete	aaccaattca	aacaaatctt	cgaggaaaaa	ggtattattg	aatattette	594120
aataggccaa	aagtttaacc	ccttcctaca	cgaagcggtg	Caaacagaag	agacttctca	594180
agttcctgag	gggacgattt	tagaagagtt	tgcaaaggga	tataaaataa	ganagagag	594240
gattcgggta	gctaaagtta	aagtcgctaa	agctcctact	CCCaaagaaa	ataaagaata	594300
gaaataaccc	ctagagatta	ggtaccaaac	atgagtgaac	acaaaaaatc	22002222++	594360
ataggtatag	acttaggcac	aacaaactcc	tgcgtatctg	ttatqqaaqq	3003035	594420
~~~~ <del>~</del>	Catcatcoda	2442242242	30020002t	~~=+~~+~~		504400

35500000					X 0/1	.1270/01070
Ctcccctct	t tagtggggai	tccagcaaa	a cgtcaagca	g tgacaaatco	agaaaaaact	594540
						594600
						594660
						594720
						594780
						594840
						594900
						594960
						595020
						595080
						595140
						595200
						595260
						595320
						595380
						595440
						595500
gagagaaata	ctacaatccc	tacacagaaa	acceaggag	gegteatgae	gactctggta	595560
cagcctgcgg	ttaccatcgt	agttctccaa	CC3CSGCCC	LCCCacage	tgctgataac	595620
gaaatcggaa	gattcgatct	tacadatate	99agagegee	ccatggccaa	agataacaag	595680
gaagtctcct	tcgatatcga	tacagacacc	occoeggere	ctcgaggcca	tcctcaaatc	595740
agcqqtaaaq	tcgatatcga	tectatecan	actiticatg	tctcagctaa	agatgttgcc	595800
caaagaatgg	aacagaaaat ttcgagatgc	CCanattant	gcaagctcag	gacttcaaga	agatgaaatc	595860
						595920
						595980
		ucce caucea	- ddUdaat cca	20200000		596040
						596100
						596160
		YYLYYALCLA	acarcaatac	~~~~~~~~.		596220
	33		ULLCLLCava	7678656		596280
		gacqacaaq	darcassatt	****		596340
		gggaaacttc	CECaraaaca	~=====================================		596400
		Caacacada	CCCCCCCCC	+ 2022++~~~	A A A	596460
		ucadattica	CEFABBAAAA	2222444		596520
	-3	996666666	I CAALGECC	* ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		596580
		ayaaaaccaa	UUSUSSUSSUS		4	596640
	-335		CIAGRARAGA	***		596700
	-3	CCCGGLGLL.	I COURT COCOCO	~~~~~		596760
	-,	geeceatat	LLCCCTATCC	337272		596820
4.0			U144444C22C	~~		596880
J J		qual tude	acacaacat	~+~~~~		596940
J J	~~~~~~~~	ggacgcacee	acaaaarcaa	CCCSTCCCST		597000
	ggcagacaaa	CCCCaadaaaa	TACCCTCTCC.	~~~~		
	- wecated	uctaaaucnn	actttcacca			597060 59 712 0
J J	a c c c c c c c c c	uadu Luarra	220220022	~~++++		
		CCGCaaadatt	CECCGEGATA	* ~ ~ * ~ * ~ * * * * * * * * * * * * *		597180
	oougugact.	CHACHELOCC	arcreete-	~~+~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		597240
	g vg cacacac	Cucauacara	ドクククラクセックー	An An		597300
		CCGCaacce	2C2C2C++		4	597360
	owere certified	Laatettelar	200000000			597420
		Lacadaira	77TC3 ***			597480
	3~~gcaaaca	LLULACE	TACCASECS SA	* · · · · · · · · · · · · ·		597540
	~~~~~~	aaaaaLCCFC	2257227242			597600
						597660
		CULLULGIA	A C A C A A A A A C C	3 0 0 0 0		597720
						597780
ggcgtttctc	taccttttcg	tagtcacnas	cctcccaat=	cctatcatat	ctcccatcaa	597840
caagaanngg	caaaaaacat	gaactttast	atcacett	atgaaaacct	actcgccttc	597900
ttaccaatac	cttttgcaaa	ctacotcacc	accacyceca	CCCCacaca	aagaacctga	597960
gcagtttqtc	cgaagtatga	aaacagcctc	ayyacatece	ctagagcaag	ttctacactc	598020
acttaagctc	cgaagtatga gactactaca	cccactttac	cractctaca	gaaaataaag	gtcattacgg	598080
tgttcacagg	gactactaca	accccctata	yayıcccata	cgtagatata	tcgatcttat	598140
aagagcatgc	cttctcttca	aacqaqtato	cacayaccaa	acgcacctcg	aaattatcgt	598200
J - J	tctacaaaag	aacyaytatc	CCCAAAAACCA	~~~~~~~~	<u> </u>	598260
				~~~~~~		

***************************************	-7105				PC	Г/1В98/01890
gtatatcat	c actgcaaat	c atgaaggact	Ctcatttor.	a utuaccuas	tctgccatga	
						598380
						598440
						598500
						598560
						598620
						598680
-	,	- aaaucal.ucc	. acacetaa.	· ~+~~~~		598740
5 5 5	- J-movegaa	4 ayayuctci.c	. CETACCECE:			598800
		. yyaccıdado	l acarrece.	taccatact.		598860
		· uaaci.iaina	rrcaacoco			598920
	- oaccaatgg	Luudaaaaa	LOTOCCARO	· +<-+		598980
22		· accccaucic	LCHAFAFASA		- 4: . 4	599040
		alcudeated	attatactca	2020124		599100
33-3		- yaaya L.Coo		· >+ <-+ <- <		599160
5	· yww.cuuucy	CCCattccc	catarettee	* ACC2C276	-	599220
	. 33		- CCCadcaaff	* actattact	4-4	599280
5	· ccccaacca	aducuttege	aggettaget	+ + + + + + + + + + + + + + + + + + + +	And Annual Control of the Control of	599340
3	· -uccuaacac	auauctette	T A A A A C C C C C			599400
	. cecegecaca	- utuctcctad	- グドドドウクナクラク	Wawaatta.		599460 599520
	· · · · · · · · · · · · · · · · · · ·	aaaalcttac	accoaattco	C=+C=++=+		599580
3 3		accaccacac	LUUUATCAAA	atcaccatca	**	599640
		aacycaaato	ttcaardcar	Caatctcac	~~.	599700
	acge egeaca	yyayaaaagg	aagacgaccc	CCTCGTGGGG		599760
	- aaccccacc	LCAGGGCCCC	TTACCCTART	tagaaaatct	ant - +	599820
	gadaccyaa	galgetteca	aatatattat	Ctcctataaa	~ + ~	599880
	arguette	rcrccccrcc	CEGacgaggt	acaccaamat		599940
	accetectiga	addadaactc	LECETERACE	atcotttt	40 Au Au	600000
	ccaacccccg	LLGLCCGGag	aaattaaaaa	attrastata		600060
- Jacas gaac	gagtaaataa	gctcqqcqca	gagcgaaaag	tretaggana	A	600120
	egegeateta	gegecagecc	aagaattgta	tataaattaa	· ·	600180
	ugugatayta	LLLTTatece	gaaaataggt	t = = t + c + c ~ ~		600240
- J	cegtagttat	YYLAAATCE	CCAAAGGGGGT	taccannon		600300
-J-Jga	gegugeayaa	gucutacata	agttagacca	ttaasstass	2 m h 2 m	600360
	aggictatt	aagaccccta	ttttaaaata	antttattt	tatatata	600420
	gegegaegea	agaaaagatc	aaaatacato	tttccaatca	~~~~	600480
	actiggitte	Lycagagaag	CEGGEECEEA	CCCtcttaca	~~~~	600540
J	arganactic	Laictacttc	ctagaagata	aaggtottaa		600600
2 2 2 2 2 2	gregergate	Cilcictaac	agatacgatc	actotocota	* * * * * * * * * * * * * * * * * * *	600660
-33-34-000	gottatttt	atuttttagg	agaagcattc	attagggggg		600720
cctcatccac	gagaacacat	ccccaaacca	agaggatatc	tacgaagaaa	tctcgagata	600780
aaaaatgaga	tctattctcc	atangetegg	atacgacgac	acctcatcag	aagaaaagag	600840
aacagcttaa	gttaaagaaa	accadatect	grgratgtta	agaaaaaac	atgctttgct	600900
tegggettae	catgctccat	totoaccast	ccatattetg	tattcttcta	ttcctagcct	600960
gcttcttcac	gcaaccgtcc	agagagtata	cctcaaaatt.	cctaaaaacc	ctaaaccaac	601020
ccacgctgct	agataaagga ctgcatcctc	tatogagete	tegggagaaa	cagtgctcct	acaattctcg	601080
caaaaacagc	ctgcatcctc	ctcctattct	gggggacaaa	actctatacc	ctcctccctc	601140
cttacggatt	cctccccca	togateteta	Caaaagtggg	Ctctctaagc	gccctgatag	601200
tccgttttct	agcttcggta	ttccaactcg	atctetteee	Laaagaaacc	accgcccacc	601260
gacgccgccc	taaccaacaa	gtacgaterr	caacatcatt	tanaaaaa	ctcttttaca	601320
ccctctccgc	ttttgataac	ctcattotcc	atasaatast	Caaagccag	ctctccgaag	601380
	cyaayaaact	acactacaag	aadctctddt	totactoone		601440
acagtcgcgt	tcccgtttat	aaaaaaaact	tagacaacar	Cacacanta	gaagaagget	601500
	actiguitetat	acaadcadcc	accacctcac	CCBBCCCbb		601560
	artitatgcc	ccagaaataa	aaaaaacctc	CtCtCttct		601620
Jasasaaca	Legelatela	gccatcatag	tcaatgaata	Carsttanas		601680
	agarattate	daadaaatta	Laggagagat	CCC2626		601740
	Luctatadd	aaaatcodaa	acticttagat	tataaataaa		601800
gacgc	Lyaayaytac	ttcaatttga	aaatcdatca	transatare		601860
	cgcccccat	aaagtgggtg	CTOTECCCCA -	AAAAAAAAAA	~~+ ~ + ~ ·	601920
	cyatatayaa	atcattacct	gcacagaacg	aaatatcaa	2224222	601980
	adacytaaa	ttcaatatct .	cctaadaatd	taaacatcot	3~~~~	602040 602100
rccctacact	ccacgatece	atoctocctc	CCCCCAAtcd	aaattotoaa	acatracras	502160

taaaaatctc	tttgcaaaaa	agctaaagat	ttatcagagt	gaaaacttaa	gctcccgtat	602220
-gecaggaga	accacctaga	Lyaqtqatat	CCAAAAAAA	Taacacacat		602280
	cacyyaaaac	ligatggaat	- TTCTTCTCCA	gaagtacaag	222242444	602340
CCAGCCCCC	geagelygat	ccaaaaatat	Cattctcdac	tatactcacc	trasttarat	602400
geeeagegea	ggtattegag	tectactgca	aagctaccat	caaqtaqqac	aacattctcc	602460
gaaaaccgcc	cegaceacag	loccaaaaac	catagaacaa	actototato	++	602520
cccccccac	tttaaaatat	tcaatactgt	ggatgaagcg	atacaaacac	taaacaaaca	602580
-ggggaccga	gaaaaacccc	acigitagta	tatqatqqqq	cttttaagtc	212122222	602640
CCCCCCCCac	Largegaega	tctgtttgtt	acqttaaccc	ttcgataggt	CCECCECCC	602700
add c c c c c a c	ccyyaaactt	ctttattccc	ttqccacacc	actaccader	CC22CC222+	602760
gradattiga	cccagcagga	agtgggaaac	ccacagattg	ggaagccccc	acascarato	602820
ttttttaaat	Layadacgta	atctacgcag	aaatqccaga	aggcgaaatc	atcoaaccaa	602880
CCGCCALLCC	tytaaaagac	aatcccgttc	cacaattcga	gtttactctc	ccctaccaac	602940
cccaagtagg	agaaaccctc	actattgtca	tgggagcctc	tccaaaccat	cctcaactcc	603000
acgatgetgg	gaacggagcc	caacttttcg	cacaacgtcg	caaacccttt	tacctctaca	603060
ccgaccccac	ayyayaagga	aactatgatg	aacccgatgt	cttctctata	gatateege	603120
gaaacgteet	aaaaaaata	gagatettta	ctccctccta	totoottaaa	aacaaaccct	603120
ccgatattat	cgugegattt	gaagacgaat	togggaacct	caccaacttc	tctcctcaac	603240
aayacccgaa	tcgagctttc	ctacgagcat	cttagagaaa	atttaaatto	acaactette	603300
accccagaaa	caggetttgt	tattcttcct	aatctctatt	tcaatgagcc	togaattrat	603360
cgcatccaat	tgaaaaacct	ctctacacaa	ganattttca	tctctgcccc	tatcaaatgt	603420
ttcgctgact	ccgccccgaa	tcttatgtgg	ggtctcctcc	acggcgaatc	Casecacate	603480
gactctgaag	aaaatattga	aacttgtatg	cgttatttcc	gagatgaccg	Coctotaaat	
ttctatgctt	cttcatcatt	cgaaaatcaa	gagaacctct	ctccagatat	ttagaagata	603540
atcaatcaaa	ctgtctccga	ctttaatgaa	gaagatcgct	tcatcacact	atcoggagette	603600
caatatagcg	gagaacctca	tctcgaggga	gtgcgtcaca	tccttcatac	Caaccagatte	603660
aagtcccact	cgaaacacaa	agaatacaaa	catattecee	tcgccaagct	Ctataaaaca	603720
actgtcaacc	acgacatgat	ttctattcct	tcattcacag	cttctaaaga	ccacaaaagc	603780
gactttgaga	atttctaccc	cgagttcgaa	agagttgtag	aaatttataa	teacter	603840
tcttcagaaa	ccacageege	tctaaacaac	cccttcccta	tccaaggtaa	cyccigggga	603900
gatcctcgag	gtacagtaat	tgaaggatta	aagaagaatc	teegettegg	agacagcgaa	603960
gggggtctcg	acgatcgagg	aatttataaa	gactactttg	actctccgca	actigitget	604020
tccccagggt	tgacqqctat	catttgtaat	aaatataccc	gagagtetet	tottonnet	604080
ttattcgcac	gtcattgcta	Coctacaaca	adacctada	tcgtcttaag	cgtcgaaget	604140
acttcagccc	ctatgggctc	cgaactctcc	acaddatcaa	aacctggact	CCCCaacacc	604200
cgtcacatct	ctqqtcatqt	ggcaggcact	accetactea	agactgtaga	caacgtcaac	604260
aatggcgaag	ttctccatac	ettetteece	gatagaata	acctggacta	aatcatccgc	604320
gatatggtac	ccctaagttc	agtgacccta	aaagatccaa	acctygacca	rgaatacgat	604380
ttctactatc	tcagggtcac	tcaggcagac	aatgatetaa	cctggagttc	acctttgta	604440
gtggatttaa	attaagaaac	tatectatet	aacgccatgg	tatgatgaca	cccaatctgg	604500
taatctqctq	toccacaota	trattaggto	taggatttcc	tattctactt	ctttttctcg	604560
atttgcttgg	caggcccctc	tctaaagggt	CEC222222	agattgctgc	gtaggttccc	604620
catgtgacaa	aacagagcac	totoctacaa	32totogaan	gaatagtaca	caaaaaaaa	604680
catcaaatga	cgacgtgcct	CCCacaccc	cctassactt	cccccccta	tcaaagtgtt	604740
gaaaaactgg	atocccaaga	accattaacc	actanaaccc	ctcttcatct	ctccatattc	604800
acqaataaaq	aagatcaacg	cacactetee	agtgaagacg	accaagttcg	cctcctcctc	604860
gttggcgaca	ctgtatacta	Ctcctcaacc	tratacatat	atcctacaaa	caaacaacgg	604920
ttcagctgca	aattttactc	tttctatcca	22200to	accctacaagg	tttctgtgac	604980
tccccagatg	atcttctaca	Caaatccaa	aaacctggag	ctccaattac	atggctctac	605040
atcqtqqqaq	gctgtttccc	ctcctgcaat	ctocastact	attccgatct	agaagtacat	605100
atcaaagagt	acgatectea	gatccatatc	aaacatatta	ctgccattga	atttactaaa	605160
ctctcagatc	ttgataacct	ttctattccc	aaagetetta	tcacattaaa	atatgcctat	605220
cttgattcca	tececagaaa	accactcae	garguette	acaaaatacg	agatgcgggt	605280
gctcccaaac	acctttcttc	ttctcatttt	ctcaccegteg	acaaaatacg	taatttetta	605340
ggaatccata	gcaatataac	catactetas	tatcatan=	ataagatggc aaggacctga	ccaccaactg	605400
acccacator	taaaaarcca	caacttacaa	gaccassas	aaggacctga agggctttaa	agacctcgtc	605460
cttctaaaat	Ecaccesage	aaataatoto	gacyddactc	agggctttaa	aaacttcata	605520
ggtcatgcca	tecetetasa	atertrast~	ccayyaaaaa	gattaagaaa	accaggccag	605580
tccaatataa	aagcettatg	daattacets	graytagece	gaatcttctt	agacaacttt	605640
tataatacta	atgacette	ttcaacecet	yytattgagg	cagctctaga	cctcctttcc	605700
tctaaanaan	Ctattasast	CCaccacacacac	acygggaaa	aggttttcca	gatggcctca	605760
agaacoccat	atctaaccaa	ctccaccat	gyaarggcgg	ccctcatcac	acaacaaggg	605820
attectate	actatecet=	Caactcataa	yearaagett	aggctgcgta	agttatatta	605880
CCCCtacada	CCCCCCCCCC	ttoctasto~	aaayaaacga	tattcgctgt	gttcttgctc	605940
			······································	· 025	* *****	$\epsilon \cap \epsilon \cap \cap \cap$

ccctaggagc	tateteteat	aacttgggg	t atgtccccg	g ctttggaatt	gcagcaaacc	606060
	. owa cacuci	- CECEALUCA	J CTCCC2C++	·		606120
		4 autoucteen	CESESMOSM	· ~++~~~~~		606180
		- CCCCatalli	: Faararreat	. ココクトつクロココの		606240
	·accacga	- 990CCCCCCC	: Faatcooaa	+~~~~~~~		606300
			l CCECGGGGE	· ~~~~~~~		606360
		. Clacacacca	1 CCCCttdda:	2022222		606420
		- Caacad Licit	1			606480
	~~caggcccg		: FFCFFCaada	tctt		606540
J	~ Jak gaacac	Lacuadade	. FFMaaaaatt		— — — • • • • • • • • • • • • • • • • • • •	606600
	~ soccyacty	Laaaaaaaalala	EECGAFECCA	tarrare		606660
		aqqaatucac	Carrrara	*********	***	606720
	9	Culyquicto	Lacacadaaa	Caccaaaaa		606780
	- mound c c c c c	aycaccadea	Lacreredten		~~~~	606840
J 5	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	LCCCCadada	CCttactctt	*******		606900
		Littalecc	CEAGCAGCGA	taacatstaa		606960
		Culadadaa	arcreedad	+00++2+00		607020
	9-9-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6	acciccaaaa	- <i>AAAACACAC</i>	Ct = 00t = t = -		607080
	2-2-62-62-6	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	ggaaagtete	+++~+	** ** ** ** ** ** ** ** ** ** ** ** **	607140
	- cagcaaaag	Laticadcaa	CETCCAAAAA	2002002106	4	607200
	ggaccca	Lattycyaaa	aagaaaaat	tatteetaaa	3~~~	607260
	cagagaaaca	ataaaacatg	gaggatetee	aagettaate	~~~~	607320
	- gragagigi	LULACCCCAC	gctaaactaa	aatootaaa	0 H 0	607380
3 3	agcaaaa	Cultudadaa	gerreatect	Cacacaaata		607440
J	ageag ceeeg	Liaddilcat	Laccdataat	2222002000		607500
	gaactgcata	accidededag	aagcaactaa	actetees		607560
2 3 3 3	coccacca	acticicicaa	ggacaaatct	CCCSSSCCCC		607620
	aucucyccca	goolgcacca	gaccctcgag	Tacconnocan	· · ·	607680
	a caga ccacac	Caaccilloga	LECCAGGGEC	taggaggggt		607740
2 2	ceeuceagaa	yccaccaaaa	attcccttaa	グラナグナナッナナナ	* * · · · · ·	607800
	-gullianag	aggletaget	LEGacatada	22424444	~ ~ * ~ * ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	607860
	gecaaageee	Lycaagagcc	atoccactaa	acaattcaat	20+++	607920
J - J - 0 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	c c gag c c gcc	400agccccc	gggcaagaat	Catattacat		607980
3			LECCETTRAAA	Maaaaa+++	+	608040
- J	ceaucicyca	Cyccaattct	caddtaaatc	ACCARACTE	+ + c+ c+ m + m + m +	608100
	uagettata	Luagutaaat	adccattata	Caagtccaac	+000+	608160
J - J	~gccccaaa	attagacttt	TETCETCATC	tatassasta	200100	608220
	ccciggatag	ggaacatttt	gaactacaag	CCCatacctc	30300000	608280
35-0000	Cacab Cacac	ggrgragaar	ccacqqtagc	ctcagccgcc	CC2CCCtct~	608340
	eg egg eg ee e	y Lagt tececo	aagctgcagg	Catootatot		608400
5 5 4 5 6 6 6 6	aggigaagac	lctacagtct	Cogaagetre	aggtatctct	t anath	608460
- 330300000	aggaaccacc	Lucquaticca	caataacacc	atcettacta		608520
	caggegetee	actuitteet	CLAACCAAAC	tarrrates	*	608580
22	accygacc	addulactac	arageegee	ataaataa		608640
	cccaagagaa	Cutateccaa	Eagcggggccc	accetectes		608700
	getatettat	Lucaaaocaa	aaggacgcct	t t can a can a b a		608760
	caaccccgaa	attatagaaa	aattcctttt	2002220100	* *	608820
	gegeegequu	acaaaaaaaa	CCCCTATECA	033000ct	A- A	608880
	gccacagage	CCCCTTGCCa	ccatacatac	ataataaaaa		608940
	gacggccagg	ataatettea	CGAACCAtra	Cacteggaat		609000
		Lataatcaac	Etagagtgga	trancourts	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	609060
	aggegeegea	attagagggg	aaagcctcac	2224004244		609120
Jecuagog	acgaceetta	LUUUUGaata	acaaagcaca	227227477		609180
	uuucayyc	CCdatccacc	aaaggctcat	teaataaata		609240
-s-cccacaa	acayyaaaat	LLLagcager	aaddcataar	+		609300
22-2-3-4	acguettat	Lataggaarc	reacctatae	Ctassactes :		609360
	ggaccccccc	<i>ulautaaaco</i>	gagcgagcgg	acttatasst		609420
	geeggeaact	caracagra	Ctataactaa	Cataaottat		609480
	grydcattat	aaaaagaatt	aaccccatta	CCCtaaaaa		609540
Jacadege	ceggaattaa	actagagagg	gccacacaaa -	CC2222trat		609600
	egacacttgc	ccyaactaga	catatactca	actoattoto .		609660
aga cacg	ccccaagct	acaygtaacc	cgagtcggct	Ctattcttcc .	~~~~	609720
-sagaegaea	cyaryaacta	ttcactgttt	cttaaattaa	Ctttaaaaa+ ·	+++	609780
	uualgact	aalaacaaat	agctattgtt	aaaattttaa	caaaacaata	609840

					PC	1/1898/01890
aatagaaat	a agaaagatt	t gtaataaga	t catgtaaac	a agcaataag	a acagogtota	
aaaataaac	t acttcacaa	a atagaagat	t aagaagatt	t tttacaaca	a acagegteta t egettgetee	609900
cettegtet	t agtgaccac	t ttctcatca	t catcaccaa	a gaaatctcc	t cgcttgctcc a gtagaaagag	609960
						610020
						610140
						610200
						610320
						610380
						610440
						610500
						610560
						610620
						610680
						610740
						610800
						610860
						610920
						610980
						611040
						611100
						611160
						611220
						611280
						611340
						611400
						611460
						611520
						611580
	3	ucacaddaac	- ((ロオヨクヨドカトト	~~~~~~		611640
						611700
		aaccaaaacc	CETACCTTCC	***	A	611760
						611820
-	3	- Laaaallii	CCCCCCatca	~ - ~		611880
						611940
						612000
-		4 cadactaa	Carrenare	+ ~ ~ + ~		612060
						612120
		LLLLaalling	ALCGGSSGCS	~ 	A C	612180
						612240
		aalaalulet	CECCESSOFS	~ 		612300
						612360
						612420
						612480
						612540
						612600
						612660
						612720
						612780
						612840
						612900
						612960
						613020
cacaatcctc	tgcaatctgt cagtacctta	tttaaaactg	Caaaotttaa	tettegagaa	aagacagatc	613080
atcctgcgat	cagtacctta cgtatccgga	ggtttatact	CCttagctaa	Congragate	taggaagaat	613140
caaaacactc	cgtatccgga tacgttccca	ttgacatcat	aggggaagca	accoatasco	ttageataat	613200
catttaaacg	tacgttccca agacatttca	tgggtcaaat	ggcctccaga	atttaates	reayacatca	613260
aaacacaaga	agacatttca acctaactta	gccttaagta	gagtgtattc	ttcttctctc	SECCTAAGC	613320
cagttttata	acctaactta taaattagga	ctgacagctg	ggccttggac	tttatacata	aducegetta	613380
ctactgccag	taaattagca	tcagccccag	aatgaggctg	aacacaaaaca	-yaarggcca	613440
						613500
						613560
Lagccaactg	cactgaaagt	gaagaataqt	tttcagaagc	aatcatcttt:	dricccg	613620
						617600

gctggctctt caactcatca atgattctct ccccaatgga aggaaacgca tttaagagat 613740 ggtcaagagc tgctaaatac gctgtcgaag ctaaactttg tccctttttc cccgaagcat 613800 tttctaaaaa cttatgcaac aacgaaacca ccgcaaccac ctttgtaaat atttccacta 613860 ttgcgaattt cttaaatttc tcaaaaactt ttagcaagga cttctaaaga cgaagcctta 613920 atagagagaa cctctaagtc cagaaaaaac cagcctagct ttcaaagtga aaaatgtcaa 613980 tcaacgcatg atcaagaaga actaagggaa aaagaaaaat tattttcaat atatcccttt 614040 gaaggtacaa aaacttaggc agccttcctt ttacccgaaa agactcatga ccctctactt 614100 aggattgaat caaaaaaccg ctcgtaaata ccaagctcat tatttgccta ttctaactct 614160 cttcccctat gcaaaaagca ctccacaaaa taagcgtgct cttcaattcc ttccacaagc 614220 aacccatgtg attotcacaa gtccctcatc cactcaccta ttcctttcca gaatgacttc 614280 tettettet aaggeeacte taaaaacaaa gacetacete tgtataggag agteeaceaa 614340 agaaagactt ctctctttcc ttggacaagt gaagtacgta gtagcaactc aagaaatcgc 614400 tgaaggcatc ttcccattgc tacaggcact gccctcttca gcccgcattc tctacccca 614460 ctectecete geaagaeetg tgateagaga atttetttae aategattta etttttete 614520 ttaccctcac tacacagtga agccgcgaaa acttaaaaaa aatattttat ctaaatacaa 614580 aaaaattatc ttcacaagcc cttcaactgt aagagctttc gccaaaatct ttccgcgatt 614640 teetgaaaaa aeetaetggt geeaaggaag gatgaeettg caggagttte aaaagttete 614700 ctctcaaaag caggtatctt tgttagaaac gcttgggaag tccaggacat ctccgtgaca 614760 aaaaagaccc cactacttta aaatgcttta tgctccgaaa aaaacttaat ttttaatagt 614820 ttatggcttc ttcagctact cccggttttg atggaacggc tccctctcta tttcccccag 614880 ctactcgtcc tcgctataat ttcaagcttg ccctcttcgt tactattgcg attgcactcg 614940 totggatago totgattgot accaccatag ctattgggot atgtatocac cotttgtgot 615000 cctttatctt cctaacagca attcccttat actttatatc tcgctatatt tgctccact 615060 acgcacgcaa tgtctacata gctctagatg tcgtccccga tcattctaaa ttgcaagaca 615120 tgcgctctca ctctccaatt ttctcggatc gataaacaaa aatttgttaa aattatagaa 615180 agtattttac aaaaaaatg ttatgtcagg accetcacgt actgagaget etcaagttte 615240 tgtactatcc tatgtgcctc gggataaaga aattgctcct aaaaaacagt ttaccatagc 615300 aaaaatatcc actcttgcaa tcctagcttc tttagcttta ggagctttgg tggctggaat 615360 ctctttaacg atagtattag ggaaccctgt atttttggct cttctcatta ccacggccct 615420 cttctcagtt gtaaccttct tagtctacca ccaaatgacc tcaaaggtat cttctaactg 615480 gcagaaagtt ctagagcaaa acttcaagcc tttgggaaaa gcgtggcaag aaaaaaacgt 615540 agactgenae teaaaegaga tgeaatttta caataateae etgaaceeta agtteaaggt 615600 agcgatacaa acagatgcgt ntcaaccatt tcagcctact ttcttaactg gacttagagt 615660 gatcgaaaaa aatcaatcca cagggatcat ctttaatccc gtaggcccaa cgaatctgat 615720 cgacaacact gcaacgaacc tctctactat cctttactcc accctaaaag ataaaagcgt 615780 gtgggataca tgcaagcaac gcgaaggggg tcccgcaaaa ggagaagacc ccttttcccc 615840 taccgaagtg agagtagtaa aacttccaaa cgaagctcta gatcaaacgt ttaatctaaa 615900 tttaagetet geagaaaaga aaagtattet teegaeettt ttaggeeaeg tatgeggeee 615960 taaatctgaa gagttaccaa atcagcaaga atattatcgc caagctttac tagcgtacga 616020 gaactgeett aaagcageta tagaaagtea tgeageaate gttgetette etetettae 616080 ttcggtctat gaagtgcctc cagaagagat tcttcctaaa gaaggcactt tctattggga 616140 caaccaaact caagegtttt gcaaacgege tttattggae gctattcaaa atacggeeet 616200 acgctatect caaagatett taettgttat actecaagat cettttaata etatagaate 616260 acaaagtcgt tctgaggagt aacccaaagg gtttcaccaa caacccttta taaagtttag 616320 ctaaaaattt tctcaacatt taaaagtata tttttatttt ttactaaaaa tgattaaatg 616380 cgctttggaa gtgttcttac aggaacaatt tacaagtaaa aattatatga atggctagac 616440 attagtteta agaaaaggge atttegettg etcaaattta taagaatttt eettacaaaa 616500 aaacatgctt tacttcttgc ctaaaaagag gtaaactgta tttttcttca catgtatcgc 616560 attectaaac tecatagtga titttggett tettaggaaa ettaagtaag gaataatttt 616620 catgcatgac gcacttctaa gcattttggc tattcaagag cttgatatta aaatgattcg 616680 ccttatgcgc gtaaagaaag aacatcagaa agaattggct aaagtccaat ctttaaaaag 616740 tgatattcgt agaaaagttc aggaaaaaga actcgaaatg gagaatttga aaactcaaat 616800 tcgagatgga gagaatcgca tccaagagat ttctgaacaa atcaataaat tagaaaatca 616860 gcaagctgct gtaaaaaaa tggatgagtt taacgctctt acccaagaaa tgactacagc 616920 aaacaaagaa cgtcgctctt tagagcacca gcttagcgat ctcatggata agcaagctgg 616980 aggcgaagac cttattgtct ctctaaaaga aagcttagct tctacagaaa atagtagcag 617040 tgtcattgaa aaagaaattt ttgaaagcat caaaaagatt aatgaagaag gcaaagcttt 617100 gcttgaacaa cggacagagt taaagcatgc gacgaatccc gaactactca gcatctatga 617160 gcgtctatta aacaataaaa aagatcgcgt tgttgttcct attgaaaatc gtgtctgcag 617220 tggttgtcat attgttctaa ctcctcaaca cgaaaatctt gtaaganaga aagaccgact 617280 cattttttgc gaacattgct ctcgaattct ctattggcaa gaatcccaag tcaatgctca 617340 ggaaaattcc acagcaaaac gtcgtcgtcg tcgcgcagct gtataaagtt aatcggaaga 617400 gaaaggcaac cgctgtttat atttctcaaa aaatataaag agaggaaagt ctggacttca 617460 taagagaaga tactggagaa attccagggg ccgtaaggct acggaaagtg caacagaaaa 617520

rei.	111111111111111111111111111111111111111
càctccgcta taaaatttat tttatagaca ggctgaaaat tcctacttta ggagtaggag	C18500
	617580
	617640
The state of the s	617700
	617760
	617820
	617880
	617940
	618000
	618060
	618180
	618240
	618300
	618360
	618420
gggtttcacc acttttagaa aataaacata caatgtctcc aggactcaca agaccaagat	618480
ccccgtgcag aagatccaca ggagaaaga acagagcacg ttcacttaaa gattggagtg	618540
tagccactaa tittcgtgct acacatccac tittccctac accagaaaaa aatacccatc	618600
ccgaatgacc gagtatttt tctgctaatt gcattgcctc tttgggttga aaggcttgga	618660
	618720
	618780
	618840
atggtcaaag gtaagtgtca catagaccat tttgcgaatg gctaaagaat cgtcatcacg gacgacaaca cgtttttgta ttgtgcgaat ttgcgaatg gctaaagaat cgtcatcacg	618900
gacgacaaca cgtttttgta ttgtgccaat tcctaaaata gcaacttcag gataacgtat gatgggcatc ccaatcaaag ctcccgtcat tcctaaaata gcaacttcag gataacgtat	618960
gatgggcatc ccaatcaaag ctcccgtcat tccaaaattc gtgacagtaa cgctgccatc	619020
ttgcacttca ctaggatcca atttatttaa ccgagccctt gaagatagat ccgccaaggc	619080
	619140
ttccttattg aggttcacgg caacgcctac attcacagat ttcttcataa caatggtagt	619200
cccatctaag gaaccattca ataaaggaaa ctgccttaaa gtctgagcta aacactgtac	619260
aatgaaactt gtaategtta getteaceee atgegtatet aagaagegtt ggegtteace agaaateaga tteataagat etgtgacate gagatgaaa	619320
	619380
	619440
	619500
	619560
	619620
	619680
gctctcatca tcagcttcgg aaatctcctc aagctctatc aatcctaaaa catcccaga	619740
agcaacctcg totocotcat tgacgcagaa acgcaccagt cggcctgctt taggagaggg	619800
	619860
atcacccaaa ttttttaacc aacggactat ttcattcaga ggctcatctc tagctacatg agggaatcgg aactcaaata tcatgtatcg theorem.	619920
	619 980
gttttattga ttcataagga gaaagetete etteteeaga agetacataa gtageaacta	620040
cagcatecee aagaatatte atgggtatae etterecaga agetacataa gtagcaacta	620100
cagcatccc aagaatattc atgggtgtac ctacaatatc ccttaaccgg tcaatcccag caagtatagc gataccctgg ataggtaaac ctacagaggc taatacggaa cccagagtaa	620160
tcatacetee tecaggaaca eeggeactae eeggeaga gaatgttgeg gtaactacea ataataacag actgetcaag gatagggga	620220
ataataacag actgctcaag gatagogga caacggcaga gaatgttgcg gtaactacca	620280
ccataccetg aaaaattgca gttccattaa tattgtatge ttgagcaatg aaaaccgctg	620340
aaccagaaac ctcagcagac actccalcat tattcacagt ggcgcctaga ggcaaaacaa	620400
aaccagaaac ctcagcggac actcccaaat ttttagaaac acaacgcatc gttacaggta	620460
aagtcgcaga actactcgct gtagataccg cgcaagaaat cgcatccatc attgaagaga catggaacaa acaggcaga tagtaaggaa tcgcacaaa acaagggtag	620520
catggaacaa acacgccaga tagtaagaa bacgcacaaag tcccccaaaa acaagcgtag	620580
catggaacaa acacgccaga tagtaagcaa tgataaattt gcctagctgc caaaggactc	620640
ctaaaccatg atttcccgaa atccatgcca tgctagctcc cacaccatag ggagcaaaac tcatgatcat atttaccatg cgcaacatga tttcagatca	620700
cagggcggcc acgttctcca galagggga ttttagadaa accatcaata aaacgctcga	620760
taatttgtaa tatattcct taagaaaaa gggcdattcc taagaaaatc gcaaaaataa	620820
ctattataga aagaaaatag ggggatatta agggtacagg attcgatggg aaaacttgag	620880
ccatagattg ggctgggra aaatcacca tylligaatc aatgacagta acggccgaat	620940
acaagccaat cacaatagct agreement cattleggg agagaaaatc caagcaaaac	621000
acaagccaat cacaatagct agtgccgtag tccctagata gaggccgaca cttttaatgc	621060
caatgcgtcc caattttttc atatcgctaa tggaagcgat tcctaaaacc attgagcaga acactaaagg atacactacc atgctcaata gatttaaaacc	621120
acactaaagg atacactacc atgctcaata gatttaaaaa gatgtctcct ataggttaa aaaagatggc tttatcttct aaaactaaac ctaaggtaa	621180
agatetteat ceataatte attagttage ceegacaaac aatecaataa	621240
agatetteat ceataattte attagttace ectgetttta tgtatttgtt caateatgtt	621300
	621360

•						
caataaactt	acctctcctg	ataatcgagg	aagctttaca	ctatctttt	ctgtacataa	621420
caacccttgt	: ccttggcgca	tggccatttg	ctgacaaaag	r taatttaatt	cttttttat	621480
tattgctgcg	, tgatcaggca	ataaatactt	tcctaaaata	tgaattcctt	Cttctctaad	621540
catattcaaa	a accettgag	gaaaccctaa	accacaaaaa	acccccacac	gcaattctcg	621600
aagagcctct	: ttaggaatac	gctctccgtt	atgggtccaa	actacagaag	ctattorage	621660
tttcacaaag	ı atctgggggg	cattcgaaac	acgtttcact	acagteceag	CCTCTTTTCC	621720
accgccattt	acaataatgg	catccacagt	Cttcaatcga	agaggaaaat	CCCCaacac	621780
tcctttaggg	aagaaggcac	gtcctcctaa	aggatectea	ccattcacta	Caccaaageee	
tacqtctttc	tgtagtttac	ggtactgaag	accatcatct	222200000	CagCaatttc	621840
ctctgcagcg	cgtgctgcag	agatectees	accattate.	aaaagyagaa	caccaaattt	621900
cadtttctct	cgcgctgcug	agateetee	gccccatge	acceatacgg	atccctctgg	621960
atctacaaca	gccattaata	tttaaaaaa	ccctacatag	gacgcagaat	ggactttcga	622020
accoccacaca	gtcagtttct	cetgeegaet	cyactggctt	ttatagccac	gcgacagtac	622080
tectaceest	taccctcgaa	gcccaaagc	ctctgctaac	cacaatactg	ttggagtctt	622140
artageeeee	ccaacaacga	tattgcctac	actaatgact	gtagaacgcg	cacgataagg	622200
agragaccag	gaaaatcgat	tccaacatgc	caccaagaat	gcaaaaactt	tggaaagaag	622260
ggaacctaac	cagccccatc	ccaaaatacc	ctcaaggcta	atagctatgg	tgacacggcg	622320
ataaaagaga	aagagtgtgg	aaggaaaccg	ttttttcatt	gttcctcttt	taaacgcacg	622380
aatttctttg	cacgaaaatc	atgcttttta	aaagatcaca	atcttcgccg	tattacaaag	622440
aatgctagta	ttgcagaaga	aaagattaaa	aatcaagttt	acaaagctta	attaaaaaat	622500
tgtgttaaac	aaaaaactaa	tataattaat	ttgatctcaa	aaagaaaaat	ggtgtactaa	622560
ttaacccaac	gttgacgaac	aacttcataa	gctacagcag	ctacagatgt	agcgagattc	622620
aaagaatctg	attcccctaa	cataggaaga	gcgatttcag	aaaaatette	agaaaaccaa	622680
tcctcagtca	aaccatcttt	ctctgaacca	aaaaccaaag	ccataggacc	aarataattt	622740
ttagaaaaat	acatagtttc	agctcgagga	gatgtgacaa	aaacagtcca	acattaataa	
ttgaacaact	ccttcccttc	ctctcttgaa	atagagaga	taggaagaaa	33222	622800
cctaaagaag	agcgcaccac	attaggattg	tacasatora	cgggaagaga	adagacaget	622860
acaccotcaa	caccagcacc	atcaggattg	Cttaaactta	caataggatt	gcataaaatc	622920
tecacetrer	Caataataag	ateagecace	tanaaatag	Caccgacatt	cccaggtttt	622980
tetttattee	caataataag	ttatatasa	cyageatttt	tacgttggat	caaaaaatct	623040
gaaagttgag	acactctctt	atataaaaa	gcgacgaaac	tategtgatg	ttctttaaaa	623100
tcatataaaa	ccaaagtcga	gucuaagcaa	tataaaatct	ttgtagaatt	tctttttaac	623160
acatacaaaa	attccttttc	tttttttgaa	agatgtgtcg	aacaaaaaac	atgctgacac	623220
aggrageerg	tgcgtaatgc	tttctgaatc	tcacgggctc	cttcaactag	aaaccaagaa	623280
ctttttctac	aacgagaccg	ttttaaagct	agagcctctt	taactagagg	attatgtttc	623340
cctatgcaat	ccattgaaca	aaactcccag	aaggcaaggc	tcccacacct	tctccacaaa	623400
aactttcccc	acaagaccac	gcttcagaaa	caagggttgg	cacctacgcc	tagctatagc	623460
ccttaaaaac	tctggggtat	gtcctggagt	atgagaggtt	aagagaaaat	aagaagcgtc	623520
atctgcaaga	agcttcgaac	acaaagaaag	caaaggaaag	agatetttat	ctattttaaa	623580
tacttcccca	tcaggtccgc	gaccatagct	tgggggatct	aaaagaatca	cttgatattt	623640
cttatttctg	cggatttctt	tttttaaaaa	agaaatcaca	tcttcaataa	cccaaaaaat	623700
acgtctctca [*]	ggaaaagcat	ttttctctac	atttctttgc	gcccaacgta	ccactaccta	623760
cgaagcatct	acatgggtca	cacgagetee	acacttagct	gcaaaaatag	aacccgccc	623820
tgtataagca	aagagattca	atacctgacg	ttctttatac	ttctcaatgg	cttatttcaa	623880
agcgggccag	aaccccatat	gttcaggaaa	tacgcctaga	tacccaaaga	gggttgtctt	623940
caatagacaa	cgcacatcag	aaaatgcgac	ctcccattct	tcaccaaagg	gggttettt	
tttccatgct	cctctttctc	cttcacgaac	atactocast	tacagetasa	gcccaaaacc	624000
aggtctgctt	tttggccaaa	cagcaatact	traarracra	attacates	accatagete	624060
acactctaat	ttgttcccgt	CCCCactato	cgaaggacga	accadaytya	caggaccaaa	624120
cctgatgagg	ctaaaatacg	ttttactata	tatacatata	taatecataa	CtaatCtttc	624180
togatattga	ctctttctcc	ttcccttttc	tttaccigia	tettegttga	catatcgatc	624240
ggaatcaatc	ctctttctcc	catatonete	trectaaag	regreering	aagagtctca	624300
tcaattggaa	ccacagaaaa	ttanna	tcaactgaca	ctagcgttaa	gctgacacca	624360
taataaccat	taaacccttt	cccaaaaagg	tactgagata	attctttgga	accacggaaa	624420
aacaacgac	tttcttttat	caagaaaatc	tctgctgttc	caaaaacatg	cccagagagt	624480
aagtgacccc	caatcgagtc	teceatttt	aatgcagcct	ctaagttcac	ttgatcgcta	624540
talcelee	ctcccaaagt	cgtacaagct	agagtttctg	gaatcacatc	aaaaaagatc	624600
LLacettcat	tgcatgatgt	taaagtcaaa	cagactccat	ctacggctac	detateceet	624660
graaccagag	gggtgacaaa	tagtggcgtg	ctcttaattc	ctaaactcag	accatttcct	624720
tgagettcaa	aaaaacacac	ttcacctaat	tcttgaataa	ttcctgaaaa	cateceacee	624780
Calllaacaa	cagaatcttt	acaacaaaag	ctttcctaga	gtagagtatg	tttttttcat	624840
CLCdataagc	aaagcaattt	tgcacagaaa	tttaagataa	tacqaatccc	taaagccgtt	624900
ccccagaga	agratttcct	ctacccttga	tttcctagaa	aaaaactttg	caactatagt	624960
CLCCLACACE	tatcctgatc	taaaaattcg	qtttttctta	gactacctta	acctagggg	625020
Layeleccat	gcagtgtcct	ttttgcaatc	atggggagtt	gaaagttata	gattcaagaa	625080
acyclecaga	agctaatgca	ataaaacgcc	gtcgggaatg	cttaaagtgc	tecessentt	625140
ttacgacctt	tgaaaccgtt	gaacttactt	tacaagtact	aaaacgtgat	gatcactaca	625200
						023200

						71B98/01890
aaaattttc	a agaatctaa	a ttaattcac	g gtctgaacg	c agettetage	cacacacgga	625260
		- goldaladel	L CCAATOFFA	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		625260 625320
		C daduada	0 000000000	++		625380
	3	- Guallici	1. OCATESA	~ rams++		625440
						625500
22 2		u ccayatuac	U 442E2422	- ~++		625560
		y vavactica	u adaaaaaa	C +033000		625620
	9946466	L Caucalican	u caraccasa	~ +		625680
		· ucaaaaaaa	L ALGARCTEC			625740
			a cuardacad			. 625860
						625920
		- caacegaete	J UUICACCAA	7 ペナナベナナベチュー		625980
		* Gucaccca	: CEFAFAFAA4	~ ~~+~~+		626040
	- geceeugeat	- claaluaadd	I 000tacttt/	· ~~+~+~+		626100
		- gyalallili	- uatrorraaa	* CtCCtccc		626160
		. Clacadouca	1 UACEACECE:	· ~+~~+~~		626220
	, <u> </u>		1 (((((((((((((((((((((((((((((((((((((· ~+~~~~~~.		626280
		, ccaccitita		· ~+-+		626340
						626400
gcttttatcc	gtctttgatg	atttttt	ctttaaaact	gttatgaacc	gtcttctatc	626460
tctaggtgta	agtttttcct	ggaagtege	greetatgtg	gcctttattc	taatcattgt	626520
ttgcaagctt	ttccgttatt	actorcages	tecternes	ttcacgaagt agagaaacaa	tctctcagtt	626580
ccatcctcta	aaagtatttt	ttacctccac	annonasse	agagaaacaa atcggcatag	agcaaggtgt	626640
	~~~~~~~~~~~~~~	- quality	- accordance	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	American Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of t	626700
	J J G G G G G G G G G		LUAGGECTAT	Ctccccctcc		626760
	3463363666	accauducuu	uccraratat	+++-+-		626820
	gegeelgela	LLULLUCUAL	CCTTCTCTCTC	3+++3+~~~~	<b>-</b>	626880
	gecacactg	acadectice	CCactattaa	220012001		626940
			LOCABLECAS	~~~~~		627000
			Caracters	* ~ ~ + ~ + ~		627060 627120
5 - 0		atactcclccc	acacctactt	+	A-4.4	627120
	Thursday by CCC	- cuuauua	LUCACCEAE	30+m+n		627240
		CCLatteta	ggararccar.	3 <del>+                                   </del>		627300
- · · J - J - · -		aayattttaa	Cacccaaaca	~	As As a case of	627360
		gracicidad	CCCCCCAta	ataattaatt		627420
	gagaacg	CLLCCCaaci.	ducadaacac	201012		627480
		CCaccicic	CEFFGFFACA	MMMetatagas		627540
	g c c g g g a a q a	aututucaaa	OFF FOFF # > A	~~~~~~		627600
tttgttgatc	atotototat	CTGGEGGGG	cttattttgt	ttcctcagcc	aaaacacagc	627660
catcttaaga	aaagaagtta	tettegetee	accecttge	tttaacctct	taggagtett	627720
				tctcaccec tctctcacag gataagaagt		627780
attaataaat	taaaagatta	attttageee	Lacacaatga	gataagaagt ataaagtaaa	tttaattttt	627840
						627900
						627960
						628020
						628080
						628140
						628200
						628260
						628320
						628380
						628440
						628500
						628560 628620
						628680
						628740
						628800
						628860
						628920
						628980
a	g-ayy	waartitatt	cacaagcetg	gagetgeatt o	ctgaactta	629040

,, , , , , , , , , , , , , , , , , , , ,						
aàaggcgatc	tatttttat	aaatagcact	cccctagcgg	ctcttacctt	taaaaacatt	629100
cacttaggag	ctcgcggtgc	tgggctcttc	tcggaatcca	atgtgacctt	caaaggcctg	629160
cactctctcg	ttctcgaaaa	caacgaaagt	tggggaggcg	tcctcaccac	atctggcgac	629220
ctttccttca	taaataatac	cagtgtgctt	tgtcaaaaca	acattagcta	tggacctgga	629280
ggagcgctac	tcttacaagg	aagaaaaagc	aaggctctct	ttttcagaga	caatcgagga	629340
acaattctat	ttctgaaaaa	caaagccgtg	aatcaagatg	aatcccatcc	tgggtacgga	629400
ggagetgtaa	gtagtataag	tcctggctcc	ccgattacct	tcgctgacaa	ccaagaaatc	629460
ctattccaag	agaatgaggg	cgaacttggt	ggagccattt	ataacgatca	gggtgccata	629520
actetegaga	ataactttca	aaccacaagc	tttttctcta	acaaagctag	tttcggagga	629580
getgeetata	geegetactg	caatctctat	tcacagtggg	gcgataccct	attcactaaa	
adogetgetg	caaaagtagg	cggacatcca	tgcggattat	gttcatataa	gagactgtaa	629700
aggaagcatc	gtctttgagg	agaactcagc	aacagctgga	ggggcaatcg	cagtaaatgc	629760
agettgtgat	attaatgctc	tacagactac	tegetttata	aataactctg	cgttaggact	629820
addaggtggt	gctatttata	geaggerac	rggatetata	ttgcgcttac	atgcaaatca	629880
cacttcaaac	gaattttgtg ttcacaaata	ataccattac	tatacaaaaa	GGGGGTGGG	acacaaaccc	629940
cagcgcgaat	gaaggacatc	gcatctgtt	Chatcatcct	gegeetegag	aattttcgct	630000
ctataactct	ctgtacatca	accatcagag	acttttacaa	acaacccccg	Ctatastatt	630060
ttcaggagca	cgcctatctc	cagagcataa	aaaagaaaa	aadaacaaaa	cttcgattat	630120
aaaccagccc	gtacgtctct	gttctggagt	cctttctata	gaagggggg	caattottac	630180
tatteattet	ttttatcaag	aaggaggtet	tettactete	gaagggggcg	ctaaactcac	630240 630300
cactcaaggg	aaaaattctg	aaaaagataa	aattgtcatc	acaaatttag	gattcaacct	630360
agaaaatcta	gactcttcgg	atcctgcaga	aatccgagct	acagaaaaag	CCTCTATTGA	630420
aatttctgga	gttcctagag	tctatggtca	cacagaatct	ttctatgaaa	atcatgagra	630480
tgcctccaaa	ccttatacaa	cttcgattat	tctatctqcc	aaaaaacttg	ttacagetce	630540
ctctaggcca	gagaaagaca	tccaaaatct	catcatcgct	gaatctgagt	atatgggcta	630600
cggctatcaa	ggctcatggg	aattctcctg	gtctcctaac	gacactaaag	aaaagaaaac	630660
cattatagcc	tcttggactc	ctacaggaga	attttcttta	gatccgaagc	gccgtggatc	630720
tttcattccc	acaaccttat	ggtcgacatt	ctctgggctg	aatatagcat	cgaatatcgt	630780
gaataacaat	tacctcaaca	actccgaggt	catccccctg	caacatctct	gtgtttttgg	630840
aggccctgtc	tatcagatta	tggagcaaaa	tcctaaacag	agctctaaca	atctcttagt	630900
tcaacatgcg	ggtcataatg	ttggagctag	aattcctttc	tctttcaata	ccatattgag	630960
tgctgcactt	actcaactct	tctcttcttc	atcacaacaa	aatgttgctg	ataagagcca	631020
cgcgcaaata	ttgataggga	ctgtatctct	taataaaagt	tggcaagcac	tatctcttag	631080
atcttcattt	agctatacgg	aagactctca	ggtaatgaag	cacgtattcc	cctataaagg	631140
gacctctcga	ggatcttgga	gaaactacgg	atggtccgga	tctgtcggca	tgtcttacgc	631200
ctateetaaa	ggaatccgct	atctaaagat	gactcccttt	gttgaccttc	agtatacaaa	631260
gitagiacaa	aatccctttg	tggaaacggg	ttatgaccct	agatatttt	cttcctcgga	631320
ttcttccct=	ctatctctac	taaaaaaa	cgctttagaa	atgcgcttta	taggctcgcg	631380
acaatottoa	tttctccaag	tattanata	gtacattaaa	gacttacgtc	gggtcaaccc	631440
accassassa	gctccttgg	transtran	tagaaaaa	gatatccaag	gagtecetet	631500
ctatatoggo	gctctaaaca atttctagca	CCCAACGAGA	agcacgatt	adguacaaga	ttgtgactgc	631560
aggetetee	cttagtttct	agaagttage	actatacaaa	tasaagaaga	atgctcatgc	631620
gcgtggttat	cattcaaaca	cacactttt	tatcccttgc	ctaatttatc	Citadaaage	631680
atctatcact	tatcgagttt	gtgaatatat	ctgataggtt	troctctato	accegate	631740 631800
cagetacage	tgtttttgct	gccgtactcc	ccgcactaac	agestegg	gatococcat	631860
ctgttgaaat	aagtaccagc	catacaggat	ccggggat.cc	tacaagcgac	actacettaa	631920
caggatttac	acaaagttcc	acagaaactg	acggtactac	ctataccatt	arcactaata	631980
tcaccttctc	tacttttacg	aatattcctg	ttcccgtagt	aactccagac	gccaacgata	632040
gttccagcaa	tagctctaaa	ggaggaagta	gcagtagtgg	agctacatct	ctaatccgat	632100
cctcaaacct	acactccgat	tttgatttta	caaaagatag	cgtgttagac	ctctatcacc	632160
ttttctttcc	ttcagcttca	aatactctca	atcctgcact	cctttcttcc	agtagcagcg	632220
gtggatcctc	gagcagcagt	agctcctcat	catctggaag	tgcatctgct	attattacta	632280
cggacccaaa	aggaggcgct	gccttttata	gtaacgaggc	taacggaact	ttaaccttca	632340
ctacagactc	tggaaatccc	ggctccctga	ctcttcagaa	tcttaaaatg	accggagatg	632400
gagccgccat	ctactcgaag	ggtcctctag	tatttactgg	tttaaaaaat	ctaaccttta	632460
caggaaatga	atctcagaaa	tctggaggtg	ctgcctatac	tgaaggcgca	ctcacaacac	632520
aagcaatcgt	tgaagccgta	acttttactg	gcaacacctc	ggcagggcaa	ggaggcgcta	632580
tctatgttaa	agaagctacc	ctattcaatg	ctctagacag	cctcaaattt	gaaaaaaaca	632640
cttctgggca	agctggtggt	ggaatctata	cagagtctac	gctcacaatc	tegaacatca	632700
caaaatctat	tgaatttatc	tctaataaag	cttctgtccc	tgcccccgct	cctgagccca	632760
cccccccggc	tccaagtage	ccaataaatt	ctacaacgat	cgatacctcg	actctccaaa	632820
cccgagcagc	atccgcaact	ccagcagtgg	cccctgttgc	tgccgtaact	ccaacaccaa	632880

		•				T/IB98/01890
tctctactc	a agagaccgo	a ggaaatgga	g gcgctatct	a toctaaaca	a ggtatttcga	C200+
		9 accludad	L CEAACTCTA	C 340000000	<b>←</b> —	
		· · uuauaa.cci	U GAGGEGGES	+ ~+++++++		
						633120 633180
		4 duludadee	d FCF2C2cf5			633240
						633300
						633360
						633420
						633480
						633540
						633600
						633660
tttcaagag	a atagcagtg	g cgacgatytt B caaacatcc	acgetaaeg	a acctgacago	agcagatgaa Jgaaaacacta	633720
ctgactatga	a Catcottaga	agacttcta	ggraggeren	ctctcgcctc	gaaaacacta aggaaaatct ggaaaacgga	633780 ′
						633840
						633900
						633960
						634020
						634080
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- cucuuuuu			4	634140
						634200
						634260 634320
						634380
						634440
						634500
						634560
						634620
						634680
						634740
ttaacaaata	caggaaataa accctgaaat atcttactaa	agacageege	ggaggageca	ttgcagctaa	ctctgttact	634800
						634860
						634920
						634980
	2	C C CAAC LL L	CCCCCAAACE	~~~~~	4 4 4	635040
						635100
						635160
						635220 635280
						635340
						635400
						635460
						635520
						635580
						635640
						635700
	aagataagat aaaattotta gtgggggagt					635760
						635820
aaaaaaggat	atttaggaac cctttgacaa	ctggaattra	datgccaccc	ttcaagggaa	tttaggagct	635880
						635940
tacatcaact	ctatttgggg	agcacaaaac	totttagrga	Ctatanana	caaccacttc	636000
gggaacatgt	tgaacaatgc ctttccttag	aaggtttgaa	gatectgett	tcaacaaca	agggatetta	636060
						636120
ggcagaggct	ataccgctgc	tgtggatgcc	aaacctcgcc	aagaatttat	tttaggaggt	636180
						636240
adayyctcag	gtcactctac ctcggcctat	acaagcatct	ctttatgctg	gcaatatett	Ctattttccr	636300 636360
						636420
acttanttat	cctactatcc	ttctattgaa	gaaaaaaata	tggcaaactg	ggatagcatt	636480
						636540
						636600
gagctagact actggattct						636660
	2 37739	-5ugct	-ygcgtgaga	ccartctata	taataaagta	636720

						,10,0,010,0
tčagctgcgt	acctccctgt	gattctcagg	aataatccaa	aagcgaccta	tgaagttctc	636780
tctacaaaag	aaaagggcaa	cgtagtcaac	gttctcccta	caagaaacgc	agetegtaca	636840
gaggtgagct	ctcaaattta	ı tcttggaagt	tactggacac	tctacggcac	gtatactatt	636900
gatgcttcaa	tgaatacttt	agtgcaaatg	gccaacggag	ggatccggtt	totatrorad	636960
ggtatacaat	taaagatttt	atgaaattga	ggatacggag	agagtgggat	togaacccac	637020
ggtacgcgtt	aacgcacaca	cgctttccaa	gcgtgctcct	taaqccactc	ggacatetet	637080
ccatatttat	agattttcca	ggcaaaaaga	cttgccgaga	acatatetta	acctttccat	637140
ttttatcaac	atccgtctta	ctatgagaat	tttttcctaa	gatcaccgct	tottaggata	637200
ttcgttctt	attaaaatta	tgccccaata	gaataataga	tcatcttatc	aaactccttt	637260
tgtcatgcat	aaagtaatag	ttttnatttt	ccttacccta	tattcgttaa	aaagttatgg	637320
gaatgatgta	atagataagc	cccatgttct	tgtcagtatc	gccccctata	aattectage	637380
tgaacaaatt	gctgaagaga	cctgttttgt	ctatgcgata	gttacgaatc	actatgatco	63744C
ccatacctat	gaacttcctc	ctcagcaaat	caaggagtta	cgacaaggag	accttragtt	637500
ccgtatagga	gaggcatttg	aaaaaacttg	tgagagaaac	cttacatocc	aacaagtcga	637560
tctttcccaa	aatgtctcgc	tgattcaagg	aaagccttgc	tgtaatcaac	ataccacgaa	637620
ctacgacacc	cacacttggt	taagccctaa	aaaccttaaa	gtccaagtgg	agactatogt	637680
taccacttta	agtaaaaaat	atcctcaaca	cgcgactcta	tatcaaagca	atagagaga	637740
acttctgtta	gctttggacc	aactcaatga	ggaaattett	acgattacct	CCAAAGCGAA	637800
acaacgccat	attttagttt	cccatggagc	Ctttgggtat	ttttaccata	attacaattt	
ctctcagcac	actatagaga	aaagcagtca	tattaaacct	tctcctaaag	attacaatta	637860 637920
cgtatttcgt	gacattgaac	agtacaaaat	ttettetata	attettered	argreggereg	
aagacgaagt	agtgctatgc	tggcagatcg	tttccacatg	Catactetes	aacactctgg	637980
ctatgcggaa	aatatactto	taaacttaaa	aaccatageg	accactgtga	attetegatee	638040
acaatacgaa	ttcttgctga	aggcctagct	ttccatraca	deaccette	clayttatg	638100
attcatgatg	tttcttctc	tgtctatgat	accaettra	taggaatgat	accyaatate	638160
ggaggggaa	aagcacctta	acgatgttaa	ttttaaactt	caygaattat	aygaccaaac	638220
ccttgaagac	tttcccttca	cattccgcgg	accedage	gettaeteet	acattcggat	638280
ttccccaaca	tttctcttat	gatccttgtt	ttcctatctc	actanance	accggttggg	638340
caggaagatt	gtctcaactc	tcctggcatg	nnaaatataa	agradaagar	grigicatat	638400
tagatcacgc	tttggataat	gttggacttt	Ctdaccacca	anagaaagat	tttgaagetg	638460
tctcaggagg	acaaatccag	cgtgtacttc	tagaecacca	ccaccactge	ttegeceate	638520
ttttaattct	tgatgagccg	acgacaaaca	ttgatcctga	gastgases	Laccetgaaa	638580
gtatcctaaa	aaagctcaac	cgtacgtgca	ccattcttat	caaccaacaa	agaattttaa	638640
atacgacgaa	ttactttaat	aaagttttt	atatgaagaa	ggtaactcac	gatetteace	638700
acacttcgac	cttaacagac	caattttgtt	orcatoccta	tasasastas	tcattggcag	638760
gctctcctca	ctaatccgtg	attcatttcc	ccttcttatt	ttaaaaaccag	gaattttcat	638820
ggcattagga	gcctccataa	ctggcggcgt	tatoonaaco	tatatatta	cattcctage	638880
totttcaatt	agtggaagta	tatctcatgc	aattotaga	acateging	taaaacgtat	638940
gatacaatat	aagcttcatc	totottttt	ccctatatat	ggaartggcc	tcaccctatg	639000
ttttctagct.	ctttgcatcg	gcaaaagatc	cacctangeat	ggagetattg	taggagetat	639060
ttgattgcga	tgatttggtc	tgtgggcatg	acetyaaat	accaagaaag	ggaagactct	639120
cccaccttta	atgragaget	catcaattt	gcaactygaa	ttatattcat	ttccaggctt	639180
tcagacctct	ataccttanc	catcaatttt	ctacttggga	acattetetg	ggtcacccct	639240
Cacaccccat	tecttactet	aatctttgat	and and the	taggaattgt	ggtcctttgc	639300
gtacaggtgt	ggtatttcct	ttgctttgat	gagaggtaca	cggctttaaa	ccattgttct	639360
tatotoatoo	gacacttct	acttcttgtt	ctgacagcaa	tcacgattgt	gatgttgatt	639420
agattttcgt	acaagatgac	gatgcttagc	ttgatatat	tacctgttgc	tatagcgtgt	639480
tetttteta	gaatttgat	acgaattatg	ttoaccicgg	tectettgaa	tatcttatgt	639540
ttactaataa	aattanatta	cgcctactgt	ctagatttcc	cagtaggtcc	tacgatatca	639600
Caccttctcc	totaactcct	tacagcgagt	annatatata	gaagcggtac	aatccgtcga	639660
agetttagag	Cattettee	gaaatcaata	caaatgtata	gctagggaag	cgcttttgga	639720
Ccarcatate	tttcttttca	tgttcgtcag	gaagaagatc	atcaatttta	tttaaagcta	639780
Ctaactcttc	ttcccccca	aaatctggct	gatgagagtg	gagetegtgg	atgagcgttt	639840
aaagagtaca	Ctcaatataa	tttctctctc	ttttggagac	atcgataaca	aatagcagta	639900
Cttcaatcat	tectarant	cgaagaaaat	cgaytcctag	gcctttgttt	tgatgagctc	639960
adaggacter	accessage	tcagcgataa	ttatass	ttgatacaaa	cgatctttac	640020
Cagtatata	gagtgtattt	ggggccagag	LLyLydaggg	ataggeteeg	actttcactt	640080
Coatatosco	aatraaret-	aatagtgtgg	actitectge	atttgggaac	cctaccaaac	640140
agatacetet	totageeee	agttctaact	cracetgaeg	gatttctccg	ggttttcctg	640200
CCtttcctcc	ttaaataaat	cggtttactg	aggicttaaa	gaaggtattt	ccttttcctc	640260
Caccagtete	accatosco	aggagacgct	crocatotac	ggtaaagtca	tgaaggattt	640320
Cactacatca	tatacaatta	agcagggtgc	ctgrayggac	agaaactatt	agatctttac	640380
ggatatttct	ataacettoc	tttgtagctc	creating acc	gregggagee	ttgagaaagc	640440
Caccattacc	accattacct	aaagaatata	cactty	ggcttctatg	attacggagc	640500
Jeanegae	-ceartycot	ccgtaaggcc	Clocktagg	aaggtatttt	tectttetee	640560

aagcaacaa	c gccgtttccg	g ccctttcca	g cacgcaatto	c taaggtaatt	tgatctacaa	640620
acacgacta	c gullicated	: Ttcttcaaa	aaaaaaagc1	t coatttoato	r cctrarcaaa	640680
adaccyayc	i illicaalgi	- CCCtgaaaaa	a toqaaaaata	a ggaactaaac	1 ttactcacca	640740
acaacayay	a cacaagcacg	, acceptett	: ttcattacta	a Caataccato	. wactaaawoo	640800
aacayyyca	catcacgaco	: acgacctaca	a ttttgtgcad	g gattccatco	gatecetete	640860
cgacgaacga	gaalacticc	: tgtagaaact	ttttgcccac	I Cocceacttt	88000003860	640920
cyclicyati	ttgaatctct	accgtttcgc	r ettadecett	. gtcctttctt	atataccata	640980
accccaaaci	- ctctagcttc	: tgtttatatc	: aatatctcac	ggattttcac	2002200120	641040
ccccgacga	- gteegtgttt	acgatgataa	i tttttacatt	: ttttaractr	ataggggagt	641100
accece	: ctttaacatg	agaaagatat	: tcggctttta	l Cttaracátr	Cacaatcata	641160
999000000	gagaggettt	agttccatco	i aatacaaaga	1 ggacatetto	22222tact	641220
	, aagcaactte	ccctagtaac	: tcqacatcaa	Liteacationee	traccosso	641280
cgatattgt	. igalleatgt	ttggattact	gegtaggget	CCatcaattt	tttccttatc	641340
adececeae	Lycttaaayt	Laagegetgt	ttqctaaqtt	actttagcaa	acttaaccat	641400
cacacaaa	. ataaagtett	ggattatagt	ttttaacccc	teggagage	Ctatectes	641460
geggeeacge	ccagageegg	gatcqaaccq	acqacacaaa	datcttcaat	catataataa	641520
accatetyag	ctatetagee	atttgtactc	agttatcata	ggaaaacatt	Cactttaata	641580
ccaacgagac	. ctcgaattct	regectetet	ttttqctatt	aaggagtatt	tetessesses	641640
graceccat	gragegagaa	agtttgacaa	attactggaa	taatocotoa	attttagaaa	641700
cecegeagea	lectetgtga	aagaaattct	taaaaaaaac	atataccado	tagttatgga	641760
Lagagacaal	gagguteece	tgcccaagcc	caaatggatt	taccotacao	atattaataa	641820
agacagccac	egetttete	cagaaagttc	cacgaagece	tgcattttag	ataatataat	641880
ccccgaccac	cycccaggae	ttcaggcaaa	ttccgatgga	gacattatct	ttcatcacat	641940
cigiaacycy	accidecteag	taactaataa	aattattta	ggaaaggttg	CtCatcacct	642000
ccccaaaca	cygygaatta	cagatagtgg	gatttatctt	gaggaggett	taaaatotot	642060
totototaac	caaaagattt	ctcatgtcgc	tattacgatt	gaaggaagtc	gacctaaatt	642120
cccccgcaag	cracerycat	tacgtcaaaa	tattgcccag	gttatgaact	taacacctac	642180
cattactact	attactgcga	cttctggaga	gggtttgagt	gactttggct	gtggagatgg	642240
ataacaatat	ttctgcgtct	taactgtgat	ggaatactgt	gactaataga	cgtcaacaac	642300
gtaatgatgt	tcctttctga	gggaggctag	agtatctttt	cctaagattt	cttctaaagc	642360
atacccett	tctatgccta	agactttacg	tccacagaca	aagaaaaacc	ctccctcttc	642420
ataggeetet	cttacctcat	ctttttgaat	cctaagaaga	tcttgaacat	agactttttg	642480
ccagaattct	cttgagaagg	ctaaaaagag	ttttagtttt	ccttcctctt	ctgcatggtt	642540
atttcctgg	cgataataga	agttcactt	ttetttgege	tcaccaaaaa	atagtaaatt	642600
tattccaact	tctttattga	adaggegtte	ctctaggaag	gctttataag	gagcgattcc	642660
ttttgtaggt	ccgatcataa	totagggttt	cccttcagtc	tgtgtagata	gagtgaagtg	642720
ggacgagcaa	tgtacgaata	cytaggcaga	atcgttgacc	tgtagttcgc	tacatagaaa	642780
tagetetata	actccgaagc	gttactgata	ttttccagga	taggaaacgt	gttttaccaa	642840
taaaggaaac	cttttgggat	Casastta	Lgaggaggct	atagagtaga	aacgaggcaa	642900
ggcatcatac	acactctcag	taggaggttt	cattgggatc	tgagggcggt	actcttgaat	642960
aatttaatca	agtgtaatct	accetteest	gcccgggaaa	aaggaattta	gctttgctgg	643020
tttttttacg	agatcaacat	teattagaa	adatttttgg	gcagaaactt	tttcagaagt	643080
agacctcttt	ttgacaaggg	ccgccgggga	atageettag	aagctggaga	acgtgttcgg	643140
tcgtatcatt	agaattetet	accatacast	CLadagcatc	gcctacttta	taggatatag	643200
aacaagaaag	gctatcaaag tagctcacgc	aatactagag	agacgggate	gctatcgtta	atggaatcgg	643260
ggtacatctt	ttatagacaa	acttaaatta	addition a	agccttaaac	ttttcttgta	643320
aggaagtgct	aacattttca	aagcatcgat	agecyceetg	attttaatat	caactcctgc	643380
aagacgtttg	tgagtacgaa	tttcaaactg	CtCtCttcaat	grgggaccta	aaatatctac	643440
acgcaataca	gtatagactt	Ctctttttat	addcadagae	attestacts	catgtggcga	643500
tcctgttctt	ttagcagttt	Caacaatato	tactataasa	accygreeca	caacacgagc	643560
gaatcctttc	agacgaatac	gaatttttt	Cttttactac	ttastsast-	gcccctgatc	643620
taacaatctc	ttcttgaatt	ttttgaggaa	CCttagcasa	gastgatgat	ccttacttct	643680
atgttgcacg	tcctgaggtc	aatgatetta	aagatgtcgt	gaacgccggc	tccatggttg	643740
gaggtacctc	agcattcact	tgagccattc	Ctccacaaca	ttattataa	atttcgctta	643800
gacgacg	grigadaccc	CCaataacar	CCCCaacata	atattataa		643860
	gartggctct	aagattacag	actteacttt	tetacarros		643920
	acagatttta	aatyccattt	Cactagaatc	gacttcgtga	+ 2002 2 2 2 2 2	643980
aaaaaaacac t	caccitaacq	LCtacaagac	Cataaccaac	Caggactcot		644040
CCCCCCCCCC	CCCLCtaatt	actgcaggga	tatattctt	aggaatgaca	~~+~~~~	644100
	aucutogutg	cctttcccag	gttcgttagg	ttctatttc~	20002222	644160
gagcacactg	CCCCCgacca	ccagactqct	tcacqtattt	tatttcacts	t- t- t	644220
cagcaatggt	LLCLETataa	gaaacttgcg	gttttcctac -	attaacttos		644280
ctcggatcat	acgatctcga	agaatatcta	aatgaagttc	ccccattcca	gaaatgatga	644340 644400
			-	-		0.444.00

tctgtcctgt	ctcttcattt	gttgagacac	ggaatgtagg	atcttcttct	gataaagaac	644460
ttaatgcttg	agcaagtttt	tctctatccc	Ctttagactt	tggctcaata	gccatatcga	644520
tgacggggtc	tggaaattct	atacgttcaa	gaacaatttc	ttggttatcg	tcacacaagg	644580
tatctcctgt	gacagaaaac	ttcagaccca	cgcaagctcc	aatatcgccc	acagtaaact	644640
catctctatc	tgtacgctca	ttagcgtgca	tttctaaaag	gcgagaaatc	cgttctttt	644700
tatcttttgt	agaatttaaa	atggcagacc	cttttttaag	agtgcctgaa	tagattcgga	644760
taaatgtaat	ccgacctacg	tagggatctg	tcatgatttt	gaaagctaga	gctgctagag	644820
gtccatcacg	tcttggctct	aaactaattt	cttgatctgt	tttaagattg	attccgcgga	644880
tatttcctcg	atccaaagga	gaaggcaacc	acttgacaat	cacattgage	agttgttgca	644940
cacctttatt	tttaaaagcg	gttccgcaga	gtacaggatt	gattttattc	tcaatgactc	645000
ccttacgcat	aacctgatgg	atttcatctt	cagtaatgct	atcgggatct	tcaagaactt	645060
tcatcatgaa	agcttcatta	ctttcatcta	tagtagcgag	ttcttccaaa	agattcgctc	645120
gcaattctgc	acaacgctct	ttgagatctt	cagaaatctc	tttttcttcc	cattttgctc	645180
ctagggtatc	atctagaaaa	taaagagctt	tttgagagat	tagatcgacc	atgccgacaa	645240
actggctttc	agatccaata	ggacagtgga	cagggaaagc	attegetece	aatttctctt	645300
tcatggattc	cacggcagca	aaatagtctg	ctcccatacq	gtccatttta	tttacqaaaq	645360
caatccgtgg	aacaccgtat	ttatctgctt	gtctccaaac	agtttctgat	tgaggttcca	645420
cgccagatac	ggcgtcaaat	acggctacag	caccatcaag	aacccgaaga	gaacgttcta	645480
cttcaatcgt	aaagtcgacg	tgtccaggag	tatcaataat	gttgattttt	gcgcctagcc	645540
agaagacagt	agttgcagca	gaggtaatcg	taattcctct	ttettactee	tagaccatco	645600
agtccatggt	agctccgcct	tcatgacttc	accoattro	tgagttcttc	carcataraa	645660
aagaattctt	tctgtagtcg	ttgttttccc	agcatcaata	tgaggcatga	taccastatt	645720
tctaattgca	cttaaatcga	attcttgatt	gctcatgaac	ttattattt	ctccctaatt	645780
taactaatct	taccacttat	aatgtgcgaa	Egetttattt	acttccacca	taccateget	645840
gtcttcacgt	ttcttaattq	ttgcaccctg	tttattaaaa	Cadronaton	attaattaa	
aagtccaact	tccatagact	ttccaggttt	actacgagg	tatttaataa	teastreast	645900
coctaaacaa	troctacatt	cgctagcaac	ttcaacagg	acttoataa	tagggetes	645960
aacacgacgg	gaacgaactt	ctaaaatagg	ttttqcattt	totalagett	cagegeetee	646020
ttcaagcaca	ttctctaaat	ttaatttttt	accoanaccc	totagagese	CCCCaaaacc	646080
tttccttacc	acactttct	tcccatgcat	Cataacette	ttestssatt	agtagacaat	646140
cacactacca	tagataggat	ccccagggat	atcacacttt	tasaaaatt	cttctaagat	646200
catatacatt	tacctctatc	ttataaatct	caaccaacaa	ctageggage	geegeettga	646260
cactttacac	cataccataa	acgactttgc	tttctattt	ttactcatca	ttacttagge	646320
ataccacaaa	caatatoata	acgaacacca	aggaaatett	tractigetige	acaatctagg	646380
aacacaatac	tatactetta	aagattgtgt	ggcaaacccc	cyactetace	geettggate	646440
tacccattaa	atactcccc	ccaagcaact	tteettaaa	caatatagge	aatgacttcc	646500
attttatt	ttacttgaag	gcaaactccc	cccccaaag	cegagetegg	cttcttagga	646560
gatttcttc	tagctagact	tgacttacgt	ettttaeeta	ggcacttetg	caaagetggg	646620
atotattott	ctcatttcaa	tgacttacgt	ccccacgca	LLaattgatt	aatggtgggc	646680
tttattaaca	aggettatt	cctcactact	acaagcatgg	aaacacagag	taaggetete	646740
aatgetatet	ttttataaa	ttcagatgaa	gagggaacgt	atcongentg	aatttaaaaa	6468.00
casacttatt	ctaacctate	gaaccgtttt	CCCACCCCC	aaaagaaatt	ttagctgtaa	646860
aagactgact	acasttaaa	tctttggaga	gaagaatttc	gtattaggtt	tctcctaatg	646920
aayactgtgc	acaattaaag	cagtattcca	taagagccgc	gatttatgta	accaaagaga	646980
totatatat	raggetetet	taaatcttgg	ttataggtaa	aactactttc	tttgccttgt	647040
aattaaataa	gaatagaate	gttggtataa	ataaaaagca	aaggtacggt	gtgggaaagc	647100
aattgcgtan	ttgagctagg	tctgggatgc	ccgcaagnat	tttagcggag	tcttcagata	647160
ggaaaagaac	ttgaacgtag	tttagaagag	accaaaagcg	accgaggaac	gtggtcacga	647220
cligigagic	acaaagatca	acaagcgtgt	ggttattctt	tcttttggtc	tctttcagaa	647280
acttttctat	actateceeg	tagagaatca	attgcccatc	caggagtgtg	tatccctgat	647340
tgcataggca	agtatttgtt	tctatgccct	tttctgcttc	tttttccgag	tagagcaggg	647400
tatetggttg	gttaggacaa	cgtaaaacta	atcttagatc	cttgggttgt	tttagagcgg	647460
greegttte	tttatttgcc	attccctcag	cgtaagtttc	tccgttacgc	atacataaaa	647520
tacctaaatc	ggagagatgg	gattgggaaa	ggtttagagg	ttcttttcgt	trgaaactga	647580
cagaggette	rggaaatttt	tccttatata	tcaaaaaaat	ttcttttatt	tttgcgttat	647640
tagtcgaaga	aatggttcct	atttgcaggc	cgcactgggc	aacaaagtcc	tcattcgttg	647700
tgaggataat	atctatgaaa	ggaatcccta	gcactgttaa	acaggtcgat	gtttcccagg	647760
agaagctttc	tgaagctctt	agagggaaga	cggctcttcc	caagataaaa	attataagga	647820
atctgaggac	aacgcgccac	atacaacctc	agtaaaagta	gaactcctat	tactaaacta	647880
aaagtaagac	tttattttaa	gtgttttctt	accttcttct	ttgtataata	cttotttato	647940
tacggtttat	gtacgaagga	aaatcacgca	tggcatcgcc	cactccagga	caattgcatc	648000
tacagcaaaa	agtagaatca	aaggcctatg	actattcacg	cagcctcgct	atgattgcta	648060
cagctttgtt	atttttatt	gttgctctta	ttctttctgg	attgagtctg	cttcctcagg	648120
tcttcctccc	cttttcagga	gcgtatttta	ttatcggttc	ttttttagct	tttattgcgt	648180
tagggattct	tcttattaat	tgcgtctgcg	atctcaaaca	gtaccttacc	tcgtcttagt	648240

.•.						
ttacaacct	c gcaaagctto	tttttttat	tacaaaagti	t ttttcctgac	taagctgttt	648300
gcaacaaac	t agricultac	: atctataaga	aatctgtgc	t aaagecette	I gactteatac	648360
cgacgccac	g aatatttatt	aacattaaat	agatottco	t aatgaaaaaa	Cttatacata	648420
tatgtgtag	r refrettet	ttacttccga	ı atqtattat!	ttcttcggat	Cttttaccac	648480
aayayyyca	L Caaaaagatg	n atggacaago	: tqatcqaqta	: tcatgtcgat	CCTCSSCSCC	648540
ceceacyga	a cacacicicg	cgttctttat	ctagttacat	: tcaatctff	Catcotcata	648600
aattttatt	- Licadaccaa	gaggttgcag	r tttttctaca	gteteeggaa	20222022	648660
gittittaa	gaattataag	gcaggcaact	ttactattta	i tegeaacate	aatcaattea	648720
cccacgagag	y Lattettegt	gccaggcagt	ggagaaacga	atgggttaag	aatccaaaa	648780
agectytati	. ggaggcatcc	tcatatcaga	tatcgaagca	l acctatoraa	tacaacaaat	648840
ccctagacga	agtgaagcag	agacaacgcg	ctctactcct	ttcctatctt	tetttacata	648900
regerggage	receeect	cgttatgagg	gtaaagaaga	gcagettget	actatatata	648960
Lacytcaaat	. cyagaaccat	gagaatgtat	atttaggtat	caacgatcat	aatattaata	649020
rggarcggga	gaagaagcc	taccaattcc	atatccgtgt	tottaaaoct	ttaggtgata	
gettagatge	acatacggcg	tatttcagta	aggacgaagg	gttadcaata	CCaatccaac	649080
tagaaaaagg	catgtgtgga	attggtgttg	ttctgaagga	agatattgat	gaattatta	649140
ttagagaaat	cattcctggg	ggacctgcgg	ctaaatctgo	ggatetteag	Stranger	649200
tcatctatcg	ggtggatggc	aaggatateg	agcatette	tttccacaat	atttt	649260
gtttacgtgg	aagtcatggc	tctactgtag	tottagatat	CCatcataga	getttagatt	649320
atacgatege	cttgagaagg	gagaaaatcc	ttttagaaga	ccatcgtggg	gagagegate	649380
atgagcctta	tggagatggt	gtgattggga	aarttacett	acattett	gatgtttcct	649440
aaaatcaggt	ttctagtgaa	caagatctac	ateaaacaat	tanenata	tatgaaggag	649500
accttcttgg	attagtttta	gatatccgag	aaaatacaa	traction	aaggagaaga	649560
tcaaagtttc	tggtttattt	atraccaatr	addiacygg	rggatttta	tctcaagcga	649620
gtaccatgaa	tggtttattt	acguicaatg	gegregege	tgtatctcgc	tatgctgatg	649680
ttttagtatc	gtgctaccgc	acagcacccc	CLaadaaatt	ctatgatggt	cctttggcta	649740
atggagttgc	taaaagttcc	gcaccagcag	cggagattgt	agcacaaact	ctccaagatt	649800
aaacaattac	tttagttgtt	teteaggage	agacctatgg	gaagggaacg	attcagcatc	649860
attecente	tggagatgcc	actonactto	actgttttaa	ggttactgta	gggaaatatt	649920
ctctctatcc	tgggaaatcg	atteaactte	agggagtaaa	atccgatatt	ttaattcctt	649980
actataataa	tgaagatcgt	ctaggagage	gttttctaga	gcatccctta	cctgcagatt	650040
ttcaaaaata	tgtacttcac	gateetetea	cggacttgga	tactcaaaca	cgtccttggt	65 <b>01</b> 00
ctcagctrac	ctatcttcct	aacctacaaa	agcaagagac	tctttggaga	gagatgctac	650160
tatcacagat	gaaaaacagt	gagcaaaggc	tttctgagaa	ttcgaatttt	caggcatttt	650220
tggaagagtc	aaaatcatct	gaaaaaacgg	acctatccta	tggttccaat	gatttacaat	650280
tactottoct	gataaacatt	Ligaaggaca	cgattttatt	acaacagtgt	agaaaataat	650340
cttataaaat	ctttacatct	gatetegtae	gtggaaagta	gcatcccaag	ttctaggatg	650400
ttccacaac	gaacgtctaa	acgcgagcta	ttttacttac	taaaggtgaa	agtacaggan	650460
Catagogge	atcattaagt	actggggtan	tagccctaga	ggtatttcct	tctgttttca	650520
caeggccaaa	aalcttattt	gagttattaa	ggatcccatc	atcgagetga	tettetaaaa	650580
caccigccca	LLLLggaaa	accatgagtt	tttcagatgt	acaagettea	tcaaaaaaata	650640
acgacycaac	Lagiaactta	atcaatccta	tggcagcagg	aataatcaac	Casastoost	650700
eegeeeetaa	crygctatgg	aagataaaca	tacatoctaa	tecageaaca	200222202	650760
ccccaaaac	yaycagggta	atttggcaag	ctctggattg	aaagagettt	anttanmet.	650820
caggetgaat	adattttgtc	TTTgcccatc	ctatgagtag	attracratt	ccteenates	650880
acguaattyc	Ligiagacca	gcggtgacac	tccccgatgc	toctatttcc	tataatata	650940
ccaycacaya	cccaggagca	gctactccta	ttactattac	tectacada	tata======	651000
argacacacc	gitteteetag	tgtagttcct	aaagaagcag	attacactac	#2222222	651060
	LLaattacat	acctaaaaag	acqqqctttt	aaaataaata	*****	651120
ugaaacttaa	acaatatett	tgattaagaa	actotacgat	togattgaag	2005565	651180
~~uaaaaaac	cyclicagta	cgtaaggtac	taaagcggta	Cttctttca		651240
geagageg	gaacaccgcc	cigcittagg	ataatteetr	adaatttaat	202000	651300
	cergalacing	gtgaagtcag	tatatcadaa	Caaacaatac	attaman	651360
~gcacciccy	ggagcaatac	Ctttcaaggt	aacagaaaac	tctacacatt	cottoon	651420
gagectagge	aaagcgtcga	aaacaacggt	attacctgaa	atcottcott	+ +	651480
-gaagaagct	aliggetgaa	gttcttttga	gaacttcaag	attaaagata	aa++	651540
agcagaa	ccacggttag	ttacacagat	acqataqaca	Otattttctc	anaa	651600
~ggaccattt	grycctaata	cgcacatato	aataactaca	agacetttee		
-g-c-c-g-cg	Laayatgtac	atgttcccca	ottagactea	Ctagttagte		651660
-guatett	ccaygaactt	gagettteae	tacaagttta	aactooacoo	* *	651720
3-4646666	LLAGLACGCC	aaacaacttt	attacadcad.	atototooo	<u></u>	651780
5-5-cactgta	acaccadaad	quadtutate -	ttagatcaca	2021021		651840
	gatactyaya	Lauagtactc	cacaggritia	Cataggetage		651900
	LLLACLLULA	Cacaaddetc	arraacaact	~+=~+		651960
tttgtgtcca	ccgcagtaag	ttacagtage	aacqttanta	atttmanata	ttata	652020
			-22-9	gaccec	cccttgagg	652080

gcagaactca actgtaaata cetttttate gccaggtete atgteteeta agttaaaaga 652140 gagaactett tgaccagatg catgagaata gccatcggga acaggattat ctacagttac 652200 gttacgggca atagcagate ctgtgttcac tacttcgatt ttgtagcata cagggcatct 652260 taggcaagca cagtcaggtc cttcttgctt aatacaaatg gctggttgac cgcatttagt 652320 ataagaacgg agctctgggc aagcacatac agtagcagct gtgaagcagc aaccttcttt 652380 aagaggtttt acccatacag taattttgca tttatctcct gcacccaggc gatcgatttt 652440 ccagactaat ttcccatcac ttgtaggagt tgtttctgga tcactgctta cgaattcagc 652500 ttcgcaaggt agctgttgtg taatcacaac atcaacacaa tcttttttgc ctatagcaag 652560 gatttcaata gggtaaggag atcctacagt agcgtattct ggaacggact ggcaaatttc 652620 tacgttgcaa tcatcgttta cttttacaga atacaatctt ccgtagcaag actcttgctg 652680 agcctctaca ggttgacatc gtccctcttc acagggataa aattctttat cacaaaaagc 652740 accaeggett ttttgtteaa etggttgttt atttetaegg acaagtetaa eettettege 652800 tgtcatagga acaggtgctg gctttgtttc cgcactagcg acgatcttag taatcagaga 652860 ctctgctaca geggeeteta taceeeeget ggeaaageaa etegeeatae tegttagege 652920 aaggaccgta actactcgtc tgatgagttt ggacataggg atctcctatc gcatgtttat 652980 ttttttcttc tgccatcggg tagaatgttt tgtaaactct taccctcaac atttgggttt 653040 attatctgaa ttaaggtagt caggaattaa ttcatctcct aactacctga tcaatttaag 653100 taaacagtta agagaactct ccttactgtt tgcatctgcc atcaggtgat gtacaacctt 653160 taacttgtgg gctttgagag ttacactctg ttgaaccaca tggattagaa caagaaggaa 653220 cgtaggaccc acaagcatta ccgccgcaag atctttcttt ttttcttatt acttcacaag 653280 gattgcaaga agagggtgcg caaggatcct caaaacaaca atctacaatg cggcagcagc 653340 tacttaagct aactactcca caaaacattg cagcaattaa aacagctttc ttcataagtt 653400 tttaactcct ttctaattag aaaacttacg tgtcttattt attactgaaa attcaacaaa 653460 acttttaata attaataaag cacgttccca tgaacaatat tacaaatgaa aataaaaatt 653520 ttatcaatta ttttttctag ataaatcttt ttggtattaa aactctttt agaaaacact 653580 atttactaaa agataaacct ataattttca aaaggaagcg tcatcaggaa tttgaggaaa 653640 ctgaagaata aaaagaataa tttgtttaat aactaatggt ttatttcacg agactttttc 653700 acttattttc tatattaaaa acacataaga ttcacaatca acgagttgaa gtagaatgat 653760 tgttaatccg cacaatcaaa tcattgaatt ataacaaaat aatttcgtaa cattaaaaaa 653820 taaaaacgag ggggaaatga aattatttta cttttgtaac attattttcc tgacatctct 653880 attttctgta agctgcacgc acacgcctcc tccacgtagt tatattcttg ctcaaggaag 653940 aacgcccctc gtcaataaag cgcattcctt agaattcttt ttagcaagat ctgtctttaa 654000 cacgtgttat aatacgaact tatagcctca caaatcacga tcaagagaga ggaacgcagg 654060 actactctgg gatagagctg cgttgtagat tgtcttcgca acgactcaaa caggaagtgt 654120 ggttatgaat agaaaccgcg gtggctgttt cgcttagcta gcagccacgc acattcatgc 654180 gaccgatatt tagagatcga aagtagcctc ttcgaagtct tctcgttgca tgaacttatc 654240 cacagttgca gcgagcttct taggaacgcc tcctaaaagc ttttctgcat acacaagacg 654300 tgctctcgct cgaggtttcc ctaaaatctc tatagagtca aagagaggga gccctgctt 654360 tttcccagta attgccacat aaagcagtgg gatgatggct tttttatggt ggacattgaa 654420 tgcttgagct aaccatttag atccgaggta acacgtctct ttcgtccatt gatcggtttt 654480 ctcaagatat ttgacatagc tatagagaag gatagctgct ttctctggag aaagggcctg 654540 tggtaggagt tcctcaacac ggtactctaa caatcctgag aaaaagaacg aggtgaggtt 654600 gataaactcc gcaagagttg taatccgaga ttgacagagg ggaaggattt ttaagaaaaa 654660 ttcgtcatta agtagccaac cctggagttc ttttaacaag cactctggcg aaccctcgtg 654720 gttgaggtaa tgcttattca tccagtcgag cttttgaata tcaaaaactg ctcctgactt 654780 tccaatacgt cgaggattaa aagtttctat aatacgctct agagaataga cttcttcatc 654840 cccttccata ctgtaaccca tgagagtcag gaagttcaca aaggcttctt tgacataacc 654900 tgagtcgcgg taataaaaaa tcgaggtagg gttctttctt tttgaaagtt ttgttccatc 654960 ggggtttaga agcaggggca tatggagaaa gacgggaggc tcccagccaa aagcttcgta 655020 gagtaggaga tgcttaggag ttgaacttag ccactcttcc cctctgagga cgtgagtgat 655080 gcccatgagg tggtcgtcaa ttacattagc aaagtggtac gtggggaatc cgtcagattt 655140 tactaggacc tgatcatcga catctgccca aggaaacacg actcttccct tgctataatc 655200 ttcgaaaaca cattcccctg ataagggaac tttaagacga atggtgtagg gctgacctgc 655260 tgcctctcgt gaggctacct cttcgggaga gaggtacctg tacctgcgat cgtatcccc 655320 acgataaccg agggtacttg ccacagcgcg catttctgcg agttcttgag gggttgcaaa 655380 gcacttataa gcgcaatctg tctttaaaag tgtctcaaca tacccttgat agattttcgt 655440 gcgttctgac tgacgatagg gccataggg gccgcctaca tcagggccct catcccattg 655500 gatcccgcac caacgaagag ctgagaaaat attttcttcg taatcttggc gactacgtgt 655560 tetateegta tettegatae ggaggateat ttteeettta aategttttg caaagattte 655620 attaaacaga gccatatagg cggtacctac atgaggatct cctgtaggtg aaggagctac 655680 cctaacacgg acattttccc aattcatgat tettttatec ttagaccaga gagacttcat 655740 accetgaaaa eggetattte tteaagggaa atcetetetg cagaaatgea taaateeaaa 655800 aataaaagaa acteettaat ttaataaaaa attaaggagt tteteaaaaa aateaegaaa 655860 ggatatttcg ccaccettag atcggggatc gcctttaaag tatcagaaag aagtagttaa 655920

tcaacaatgt tgtaagtaga aaatcgaaaa atcgagagcg agttagttag attcaggaaa 655980 aatttcagta ggaggttcga aatttggagc ctgatgttct ttcggttcag ctccttttag 656040 ttttttagct gcttgcttac tcagatactc attcttatat ctttcaatct cagatacgtg 656100 aattacccaa geggeteest taegetetee tegtatggtt ceegtacgag ttgcatagta 656160 gaccttctgc acaggtattc ctaaaatctg agcaacctga tttatggagt agcatccttt 656220 accepttateg aaaacaaget eteettgata aagagattte tttegagagt aacgeptacg 656280 tttgtactct tccaaatctt taatatctat ttcccagcgc gtctctttag aagcttttag 656340 ttttttctgc ttaattgcca cataaattgc ttgcctagtg acgttatgta atttagcagc 656400 ttgagtgatc gaaacccatt ttgtatctga gtctttgata tcctcaattt cttctctttc 656460 ttctctttct tctaattcgt agcatccctc atgttgttcg cacgccataa gctagcatcc 656520 ecteccete aacatattta caattaaaac aacegtaaca gttagtttet teettgtttt 656580 tagaagtttt taaagaagca ttttcctaaa aaaagcttta ttaatcaagc ttttttgtta 656640 atacaaagtt tatgttttca gattaaaatc ttaataaatc gtaagcagga ttatgaatta 656700 ttaatatttc tttacgttat aaaaaatagg tattcttaaa aaaacacgcc ctgaatatcg 656760 ccagggacgt ttttctaatc ataacgtttt tcttaagtag acaagacaaa ataccaagaa 656820 ccaacaaaat atctactctt tttcttttcc tgaacgaagt atttttttt aattttcctt 656880 atcggtcagc agtttacaga agccagggat aaggaaacta caaagatttc tttactcttt 656940 taaaataaag ctctcgattt ttgatttaaa tctgcgatga accttaggaa actcatttt 657000 ggtttaaaag atgagtttet aattategaa atgtettega atatgaeetg caaettettt 657060 aatcacatca toggaaagga tatgatogtg tottagacog gtotgagota cagggatttt 657120 cttccctgaa cactcttcca agtttttagg atctaaaaat ggtgctgcga agcacgtctc 657180 ttttttgaac aatccatccc cgataagatt accttgggaa tccttgccat aaataaagag 657240 ttctgggcaa tgcaagtcet tgcttctctt ttcagaatta atattccaat gggtaagatt 657300 cgccagccaa actectagae ttecaataaa etgtttagea aeggeteetg tagagegage 657360 tectegatet ttaacgacaa accaacggae getateaett eegtetgega tetetttaet 657420 taatgcttcg gcttgaacac tagctcctaa agaatagcca taagcaacga tttgacgcgc 657480 ctgaggtcct gcgggttcat ctctaagata gcgtacgcat gcttgataag atttgactac 657540 attgtttctt gttatattcc cttggctctt catgactcct gggtaattga agattaaaat 657600 gttggattga gactcttcag caatacggaa tatccagtcc ttttcccctt gcagcactgt 657660 cctatactct aagcaatcgg agtttccatt ggagattaac atccatcgat ctggcttagc 657720 attgggaaga cgtaactcca atccgtcaat aaagacctcg tcatactgta agcaaaccct 657780 tcgcacagag gagacatgat cttggaatga agcggagaaa agacgcgcgg cgtaagcttg 657840 togoaataaa ttagagtooc tgoatatggg totaaaaato caccotootg caccaagaag 657900 aataaaatto tgacatatot totgaaggao ocagaaaaga cocaagggaa taaagaagat 657960 taagccgaga agaaatttca caacacccca tatgatctca agaagacgat aaaggtaagg 658020 atgageetgt egttteteec aagaagttet egeetgetee gaagaaaaca tggegatega 658080 aggtttagga tgcatatcca atatagctgc gtgttgttcc cttgcaatag ctattgacat 658140 tattacctta taatttcatg cagaatgtag tgagcaaact attatagtgg aaattattga 658200 ataaaccaaa aacaaaagcc gagtttattt atattaatat aagtaattat tttaatagaa 658260 tegacetega accattagat agataggtga egaceeteat etagaaaaga acatteattt 658320 attatgataa tgaagtaaat cttttacttg caatgaacaa agaaccaatc gaatgaaagt 658380 tagcggtctt tttttagtct gaaaatctag gttctgagga aatacggaaa tcccggacca 658440 gcaggtggat gactcccgat ccagaagttt gggacaagcg gggtgtgtaa gcaatctcaa 658500 gagggtaatg ccaacttgct tttaatgcat cagcgtgtct tcccagaccg aagcgacacc 658560 ctcaagattt ctttctttt ggcttaagta gagtttgaga tggtttccag gcaatacttt 658620 tggatagcgt acctggcgca cttttgaata gaagataggc atcagattcc ccttcccaaa 658680 aggctcgaat agttccatag aagctaggag atcataatct atagcatcaa aatccgcata 658740 agcatcaatt tcgagatgag gaagtgtgtc accettttta agagaagagt tcacgagatg 658800 aacgaatttt titttaaaat citcgactit atctteette ataateaege etgetgeaaa 658860 gtcgtgtccg ccgtaagata aaaggagcga ggagcatttc tttaagactc cgagtagagg 658920 aaatgaccct atagttettg etgateeett teeaatteet egttggatag egatgattae 658980 cacaggtttg ttataagtct tagcaagacg cgctgagata atagggatga cacgagcatg 659040 ccatgccgtg gatgaaagaa ctatagcagc ctgctttaaa atctcaggat tactatttaa 659100 tatetettgg acatettgaa ataceteage ttetattett tgeetttete tatttatatt 659160 atctagetee ataattagag catetacaeg tteateatet tgggtgagta aaagtteaae 659220 accttttgca gggtcgtcca accgtcccaa gctattgagt tttggtgcga tcttcaagac 659280 aatatetgte gaagtgaett egettttte taeteeacat aatgegeaga gtttatteaa 659340 teegggtege gegeetetgg caatttettt aateceatag egeaceataa caeggtttte 659400 ccctagcaaa acaccgacat ccgtgatggt tcctaatgtg actaaatcga gtaattttt 659460 caggetacet tgactettgg ggacaagatt tetggatate agtgegttea gtacteetet 659520 tgcgagetta aaagcaacge ctacgeetgt gagttetega ttcgggtagg tatgateceg 659580 taatttagga tttaatgtaa ctacgcagtg gggaattttt cctgtcggca tgtggtgatc 659640 tgtaatgatc acatcaatgc cttgtcttgt aatatcactc acctcttttc ctgcagtaat 659700 teegeaatet aeggtgatga ggagtgtaat teetteetet tteaaetttg caatgagtgt 659760

·						
ggaggtetet	ccatgttgct	tgagtatcgc	accaagaaag	aagtagctaa	cgtggacatc	<b>659</b> 820
aatatctctt	_. aaaaattcga	ccaggagagc	gacgcctgtc	atgccatcga	categetate	659880
tccataaatc	atgacgtgtt	ctttacgatc	tctagccagg	agcaggcgtt	ctacageett	659940
tgacatatct	aggaagagtc	caggatcata	aaggctcgac	agatggctgt	ataagaactt	660000
atggatttcc	tgaatcgttt	ggaatcctct	tgagataaaa	atctgagcca	ctataaasaa	660060
caagtgaaat	tctttgataa	tcattccaac	===cac=aa=	tetteettee	ccgcgggagg	
gaggagage	actacaaaaa	asttetang	aaacycayya	cerecering	gatgagccca	660120
gaycaacccc	gctgcagaag	Cattatetga	atttgtcata	aatttaatac	cacaggggcc	660180
tttgggacta	aagtcccaaa	ggagatttt	atattgctac	acgttagatt	aągtttaacg	660240
gtacttattt	tgagcgattt	tctttacgga	ccataaacaa	caacagaggt	ggtgcaatat	660300
aaagagacga	taaagttcct	agaagaatcc	ctatggtcat	aataaatgca	aaattaaaga	660360
cagaggagcc	gcctataaac	aaaaqcatta	acaaaactga	tagagttgta	actattatca	660420
ttaccataca	gctgaacgtc	ttttgaaggg	catcattaac	taaaacatoo	ataggggg	
acaddttcdc	trancastat	traccaatac	gatgaaaaa	astassaer.	ataggggtaa	660480
acaggeeege	ttggcgatct	ccacgaatat	gattaaaaat	gatcaaagta	ttgtttaatg	660540
aatatttaa	tacagtcatt	aaagcaccaa	tggcttgcaa	atctatttga	attttcttca	660600
aaaagaaatg	tgctataaac	aagactgcac	aggtagccaa	aaggtcatga	attaaagcgc	660660
atacggcact	gaaagcatat	tgccattcaa	agcgcaaact	cacatagagc	aagatgattg	660720
ccaaagctcc	taaaagcccg	atggtcgcct	gataacgcat	tttcttcgat	agtttgctgc	660780
ttacctttga	ccaaaaattt	tacatttcat	ttagagtttc	cotagagaaa	totaggetg	660840
tttctgacaa	caatcccaca	actaacacca	cctcatcatc	attaatttta	accagaccag	
teatateree	tttagtatag	attanaatt	totacgate	getaatttta	ggagagaggc	660900
	tttagtatag	Citaaagcii	Lattactaaa	atagattttg	atcttttctg	660960
aagatccaaa	tgtttgaata	cggaagtctc	tagaagaaag	accagettee	tgtagtttat	661020
gcacaacttt	gccacgcatt	tgagcaacat	cgctgatgcc	atgctctttt	ggattaaagg	661080
taaaggcata	ccctccttta	aaatccattc	ccaaaacgga	attccaggct	ccaaacccga	661140
gagcaacgca	acctaaaaga	aaaacacttc	cagaaacagc	ccaaagtttt	ttgcatcctc	661200
tcaagaaatc	atgctttatc	cccacgaact	tattcatcat	atocaactot	atatattaaa	
tottattoat	ccacagcatg	aanaaaaatt	tagtgargan	acgedacege	gtatgttggg	661260
20222222	taaaataaat	augaaaaacc	cagicatgaa	aayagccgta	aacarrgaag	661320
agaaaacttt	taaaatcaat	gccaaagcaa	accetttaat	aggccctgta	tctaggaaga	661380
aaagaagtgc	tgaggccaat	actgtagtca	agttagaatc	aaaaatggct	ccaaaagcct	661440
tggtatatcc	tttttctaca	gattttttaa	gactttgaga	caataaaaat	tcctctcgga	661500
ttctttcgaa	tacaagaaca	tttgcatcta	cggccatccc	catagcaaga	acaatcccag	661560
cgagtcctga	caaggtgagt	ggcgcatcca	aatactgtag	agctgcccag	ataagcaaaa	661620
gattcagaag	aacagctccc	gaagcgatga	cocctccaaa	tctataatat	acactcatca	661680
aaacaataag	cattgccaag	ccacagcatg	ctcacataat	accttatata	acycccatca	
teccaagate	agagagate	atatattasa	tananana	geeetgegea	Callgittt	661740
ccccaagacc	agaagagatc	gucucucac	Lyayaacctc	gggaacaaaa	gacatcgctc	661800
cagattttaa	atctgaggcg	agtttgctca	cttcacggtg	ggtaaatttc	cctgagacac	<b>661</b> 860
tggcatgatt	tttcaatggg	acgtttaaaa	tagggctgct	gaccatataa	ccgtcaatca	661920
ctacagccat	acgccatcca	cggtttgcag	aatattgtcc	attagcagtg	ccgctgatcc	661980
cctcctgaca	atatgcggaa	gtccatgtgt	ggaaactctc	tgtaggagaa	agtttctctg	662040
ccattttctt	agggcttgta	tctttgactg	aaaaatttaa	aacataacct	tecetteear	662100
caaattctgģ	acgaatgtct	tttagggaag	ctccatctaa	cacataattt	ctassassas	
tgactaaagg	atttgctttt	tattataat	cttttccat	cgcataattt	Ctadadacaa	662160
tatotaaato	tatassassas		-t	agcaaccaca	gaaaacgtcg	6 <b>6</b> 2220
talclaaalc	tgtcgaaggc	gettegeate	crgaaggaga	gaacgccaac	ccctcacttt	662280
taagcttagt	aatggcctca	tggacacttg	gaggcacatc	gacttcctca	ttaaataagg	662340
cgctagcgaa	ggtattgatt	tcttcgggag	atgtctttcc	ttgagcttga	gaggtaaacc	662400
aaagatagtc	taaaaatctt	tgcacttcgt	agcgggaagc	gctgtaagaa	gagaacctct	662460
cattcaccac	atggaaactc	atttttgagg	tccccaagat	ctcagatgag	gagategtag	662520
aagatcctgg	cacactgaga	tgaatgtaat	ctccctcaca	accesattca	344449449	662580
ctccaagttt	atttaatcga	acacagaact	Catcoccas	****	tettcayata	
caatasacta	ctttaactga	tastattes	-acceguaac		tetteettat	662640
cggcgagccg	ctttccctga	tgatetttaa	aagagagtag	cagctgacgc	ccaccaacaa	662700
aatcaatacc	aagacgtagt	atgttctccc	cacgagaaaa	ttttctcatg	ttgagtttca	662760
tattttctaa	gaaaagattt	tgataaggaa	tcggagcact	caaacgttcc	tgaagatcca	662820
tagaacactt	tgcgtgtcgg	tattgctcat	gccaacgcac	taaatcgctt	tgacgattct	662880
tctcgatttg	gtttacagtt	gcaaggcgat	cttgaatgtc	tttaacttct	aaaaagggac	662940
agccctcttt	ccctatgaca	aatccctcac	cccatacatc	tagasattgg	tacaaaggaat	663000
gccggatttc	taagacttga	tottotoote	gagtccacco	aatcacttct	atatasa	
aacagttata	gagattttgt	agatotttt	casacttt	aaccgcccct	gracyagaaa	663060
attastatt	agacticyt	agacccccc	ogadactitig	yagıtcetta	ccccccc	663120
gergarattt	cgcgacgata	yaacggagtc	cuttcaataa	gatgtaaacg	gagcctttag	663180
aaaagtgttt	gcaatctgta	rrgggagaaa	agatgtaaca	gccaaaactt	cgctttctct	663240
aggttgacga	cagaaaacag	gaaaattttc	tggaatcagg	tcacaagatt	cagctgcagg	663300
cctatgcaaa	gttaatgccg	tgagatgttc	tgcgattcct	tggagcaaac	gctctcccta	663360
gagaataatc	tttccctgag	tatctttatc	catccattgg	aaggaaaatc	Cottottata	663420
atcttctact	tgaacagtta	agttcttaga	gagettttgt	ttttcaacac	CCARACCTA	
gtcaaaarct	aagcgttgtt	Ctttagacaa	adacotacec	tatacteeas	aataaaaa	663480
tagtgtgagg	aaaattttac	atteettaaa	acastactat	atarazataa	aaccagaatg	663540
		ccayy	guadiactict	aryyaactaa	aaaataatga	663600

						/1070/01070
ggactcact	a caatctaat	c gaagccctt	c aatataagg	g caatctaaa	c tacgaatgca	663660
	~ gaaagagaa	- catatacac	L CEEGAATAA	C ++++~++		663720
	3	y aayacauuci	и глагааза	~ ~~~~~~~		663780
	- cgccggcaa	a acuccuada	U FCCCCTAACA	> >>>>	4:	663840
22	5 500000000000000000000000000000000000	a acaattutt	: LEFAMMEMO	^ ~+++~~~~~		663900
						663960
	- wooderdigt		d ACTARTACCS			664020
						664080
						664140
						664200
						664260
	,	- qualities	1 0000000000	· ~~~~~~~	And the second second	664320
	,	· · · · · · · · · · · · · · · · · · · ·	CAMAGGEEE	Y ~~~+~~		664380
		· aaacaacac	: 002221226	·		664440
						664500
		, yaayayaaa	: CCTCCaccet			664560
						664620
		uu La LauLic	LCFFGFFCAC			664680
						664740
						664800
						664860
						664920
						664980
						665040
						665100
						665160
						665220
						665280
						665340
						665400
		- addudect Li.a	UFFFCFCGaa	7 + 2 m 2 m m m m m m m m m m m m m m m m		665460
agacctatgc	acqqqaaaat	catttagast	aaccctaaaa	gaaccaatcc	cagaatcata	665520
aacgccaaac	Caaaacaagc	taaaacacca	accecageag	cgaaggcagc	acatectaac	665580
ttggggacgt	agtggacatt	accutected	CCCagtattt	tetteggeag aatgaceatt	gttttgtgca	665640
tcaaatctga	aatggatatg	Cdaddaaatt	tcatactac	aatgaccatt	tgagtgggaa	665700
tttttattt	taataaaaaa	Ctagaatcga	atagaattag	actaatatta	ttagaatttc	665760
						665820
						665880
		MCCCCCCCCCC	LCCCCatraar	+ 22000000 ml	- 4 - 4 - 1	665940
						666000
	Tagacacaga.	Lauauaataa	AATACACCC+	atacama		666060
						666120
						666180
						666240
	3	Cudacudcaa	ECGCCGA ***	+		666300
						666360 666420
						666480
						666540
						666600
						666660
						666720
						666780
						666840
						666900
						666960
						667020
						667080
						667140
						667200
						667260
						667320
						667380
3	534		ccctatttg	gttcgaaaat d tatgtaggga 1	ttccgatacg	667440

tttattctta	catgtccttt	atagctttat	tcatacccaa	gaaccctatc	ttggaatttg	667500
gtgggcttct	tttcttattg	ccacaactaa	aggtgcggat	atcttcggtt	atttcttcgg	667560
taaagccttt	gggaataaga	aaatcgcccc	acaaattagc	cctaacaaaa	ctgttgtagg	667620
ttttgttgca	gggtgtttgg	gagccacgct	cattagtttt	attttcttc	tacagattcc	667680
cacgaggttt	gcgagttact	tecegatgee	tgcgatttta	attcctttag	gtcttacttt	667740
aggaatcaca	ggattttttg	gagatattat	tgaatccata	tttaagcgtg	atgctcattt	667800
gaaaaatagc	aacaagctca	aggctgtggg	tggtatgctg	gataccttag	actcactact	667860
cctgtccacg	ccgattgctt	acttatttt	gctcataacc	caatctaaag	agtttattgg	667920
atgattatca	ctattgatgg	gccttcagga	acaggaaaaa	gcacaacagc	gaaagettta	667980
gccgaccatc	ttcatttcaa	ttactgtaat	acagggaaga	tgtatcgcac	tttagcctat	668040
gctcgtttac	aatctccctg	ggcgacgctt	cctttaacta	aatttttaga	agageeteet	668100
ttttctttta	cctttgctac	aggccaacct	ttagagtcgt	tttttaatgg	tcatcttctt	668160
acctctgaat	taacaactca	agaagttgcg	aacgcagcat	cggagctctc	tcaacttcca	668220
gaagttcgtg	cattcatgca	agatttgcaa	cgacgctatg	ctcagcttgg	caactgtgta	668280
tttgaaggaa	gggatatggg	atccaaagtc	tttcccaacg	cagatttaaa	aatttttcta	668340
acttcaagtc	ctgaagttcg	tgcgcaacgg	cgtttaaaag	accttcctga	agggactett	668400
tctcctgagc	aattgcaagc	agagettete	aaacgtgatg	ctgcagatgc	acaacacact	668460
cacgatecee	tagtcatccc	tgaaaatgga	attgtaattg	actcttcgga	tttgagaga	668520
agacaagttc	tggagaaaat	tttagcttta	Ctatttcgaa	acgagctatg	attttcccca	668580
tttgtaaatt	tttcacqtqq	gtagettttt	ctcttttcta	taagctaaaa	atttatagea	668640
tgaaaaaaaa	ttttattaaa	ggtcctgcta	ttattggagt	aaaccataat	tettttta	
accccatage	attocacato	tatatccata	agtgrattta	tcacctagca	caractatt	668700
tatttaatat	cccctaatta	tagaagcaat	agagatattt	tecegtgegt	cgggcccccc	668760
gaaactctgc	ggcatttaaa	attacctctc	gggggtgttt	taaacgaaag	caagacgaag	668820
totatocaga	adadactcaa	accetaaca	atcaactcca	gcctggcaag	aagttagtga	668880
gratgatggc	tocaaaatct	agecttgacg	teateceter	ctatattagg	greggtateg	668940
aagettttaa	ccatcatcaa	agageteega	atatttaana	aacgatcacg	ggaacttttg	669000
gtactcccat	grattttgar	catattattc	acgereggaa	gatcaaaaat	LgLgLELLCg	669060
atcagatcat	caccaatcaa	actatomaca	aaattacca	gctcaaagca	aaagaaacct	669120
caaaatacaa	aggagaggt	ccctaaactt	atatogooga	tactttctat	rggrargaat	669180
atatottoto	aggagaegee	aaaaaaattt	acyccyacat	aagattgggc	cttatetgtg	669240
accocctcta	caaaacaaca	ttttgggcattt	tatoaatotag	acgatgcgat	tccagaaatt	669300
catattttaa	aaaaaaactcc	gagggtatt	actalacac	acgatgcgat	gaaattggct	669360
gaggetttt	ctttaattca	aattactaa	getgaggeea	tagtagctga	gcttcctcaa	669420
gageeteete	atcaacaga	aaccgccgga	geaggattta	taaactttac	cttctctcca	669480
toccaaceta	accaacaycu	catteatttt	aayyacgctc	taaaattagg	atttcaagtt	669540
attagacett	taccetatac	cattgattt	cccccccaa	atattgctaa	agacatgcat	669600
grigggeate	tacttacact	castostate	gatageettg	ctaggatctt	ctcctatgta	669660
atcacctatt	tacctagact	togetatasa	ggagactggg	gaactgcatt	tgggatgttg	669720
tataagaagg	cotatatata	ctttagtgat	catagtgate	ttgaggatct	tacgagtctt	669780
astataataa	cctatgtctg	taamataat	gacgaagagt	ttaaaaaacg	ctcccaacag	669840
aacycygcag	cattacagge	caaggacccg	caagccattg	ctatttggga	gaagatctgt	669900
gagacttegg	adadagcctt	ccagaaaatc	tatgatattt	tggacatcgt	ggttgaaaaa	669960
cgcggagaat	cttttttataa	CCCCCCCCC	cctgaaatta	tcgaagatct	agagaagaaa	670020
ggccttctca	ctgtttccaa	cgatgctaaa	tgtgtatttc	atgaagcctt	ttcgattcct	670080
cctatggttc	aaaaaagtga	tgggggctac	aactacgcca	ccacagatct	tgctgcgatg	670140
tatataata	Lagaggaaga	teatgeegat	aagatcatca	ttgttactga	cttaggtcag	670200
tetetacatt	tccaactcct	rgaggctaca	gcaattgctg	cgggctatct	acaacctgga	670260
atatttttt	atgtaggett	rggccttgtc	ttagatcctc	aagggaagaa	acttaaaacc	670320
cgctctggag	aaaacgtaaa	gctccgagag	cttctagata	ctgctattga	aaaagctgaa	670380
gaagcattgc	gagaacatcg	accegaactt	acggatgagg	caatccaaga	aagagctccc	670440
gtcattggaa	tcaacgctat	aaaatacagt	gatetetett	cccatcgcac	tagcgactat	670500
gtctttctt	ttgaaaagat	gctccgcttc	gaaggaaaca	ccgccatgtt	tctactgtat	670560
gcctacgtgc	gaatccaagg	aattaaacgt	cgtttaggaa	tttctcagct	gtcattagag	670620
ggacctccgg	agattcaaga	acctgctgaa	gagttgcttg	cattaacttt	gctacgcttc	670680
cccgaagctt	tagagagcac	aattaaagag	ttgtgtcctc	attttcttac	agattatctt	670740
rataatetea	cccataaatt	caatgggttc	ttccgtgaca	gccatatcca	agactcccct	670800
tatgctaagt	ctagactgtt	tctatgtgct	ctagctgaac	aagtettgge	tacagggatg	<b>67086</b> 0
catctcttag	ggctaaagac	tttggagagg	ttgtaagttc	ttcctgttcc	atatcaaaga	670920
tctgaatttt	agctccgagg	cttctgagct	tgcctaccca	atttgtatat	ccacgateta	670980
gaagatgagt	gttctcaata	atagagcctc	ctccttctgc	aatcagtgct	gccatgacat	671040
aggcaaatcc	tgctcgtaaa	tctggaatga	ctaaatgcga	ggcccataaa	gacateacee	671100
catgaatcac	agcgctgtga	ggaaaattcc	cgatagcata	acgacatgcc	ttggtactta	671160
agcactgatg	aaaaagctga	cactcagctc	ccatgtgctg	aagaccatga	aggtageega	671220
ggcgattttc	atggacagtc	tcatggatta	ctgaagatcc	ctgagcctgt	gatagtagaa	671280

ctacaaaaa	ttattacese					
cacctccca	Caaggggggg	tettenana.	accetggatg	aacatcggtt	tccaagacaa	671340
ctccgcctat	. ddadcdcaac	eccigadaaa	attetattee	cgactcggac	accaaaaatc	671400
астаставаас	: acatectec=	accityagga	agggaatcag	aagttettgt	ttagcatttc	671460
tatctqqaac	acgtecteca	tarnesas-	eggecattee	aaaagaggct	getteaatet	671520
taccatcat	, gacggtgtgg	cccacagage	cgagacctcc	agtgccaaaa	atatctatcg	671580
agatttcag	: ttcggcagcg	acatecgece	ctgccttttg	caaaaagagc	accaaatcta	671640
agactctage	. ctcgagaget	acatttttta	taaccgttct	tcctttagca	tgaattgctg	671700
taagtataa	attttctgta	gcccctacag	aaggataggg	tagatgaata	taattccctt	671760
attattt	aggageettt	gcgtagtatc	ccgaactatc	agaggaaatc	tgcacaccaa	671820
grigititaa	cccttcaaaa	tgaaagttta	aggtcctttc	tcctatagca	tctcccccca	671880
caytyggaac	atagacacct	tcagggcaac	gccctaacag	cgctcctaat	aaaaggatgg	671940
ggateetatt	gacatttgaa	aatgtgggag	gaactcttgt	gcattgtatt	tcgggagtat	672000
agatttecaa	. aacctctgtt	tecttatece	aagaaacatg	tgctcctagc	gacttgcata	672060
acticadage	taaggaaaca	tctcctatat	cggggacatt	ccgcagtgtg	cacttctgat	672120
Cagaaagtaa	agaagcaaca	agcagcttag	ttgcagcatt	ttttgctcct	gaaactttta	672180
cctcaccatt	aagtctacca	caaccaaata	cttgagcaat	ctgcattctc	catteceett	672240
tggcatcaaa	accactaaaa	gaaacgttaa	ccttctcgaa	ggtttattgc	cattcaaact	672300
ttttccttag	atcaaagttc	cttaattcaa	aatgattaaa	atattaaaac	aatattactt	672360
igalattita	aaaacaaana	cagagataaa	tataattaat	attatttaaa	atataattaa	672420
tagaattaaa	aattatttat	ttctcaaaat	agattatggc	agctcctatc	aaccaaccat	672480
cgacaacgac	tcagataact	caaactgggc	agactacaac	gacaacaacg	gtaggatcat	672540
taggagagca	ttctgttaca	acaacaggat	ctggggcagc	agcacaaaca	tctcagacag	672600
taactctaat	tgcagatcac	gaaatgcaag	acattgcaag	tcaagatgga	tecagatas	
gcttttctgc	tgagcactct	trttctaccc	tecetecaga	gactggaagt	attagaggtaa	672660
cagcacaatc	cgctcaatct	gcggggctat	tttcattatc	addtcdtaca	Gaaagaaaa	672720
attcggagat	ttcttcctct	tctgacggca	gttcgatatc	tagaactage	taaagaagag	672780
cttctggaga	aacaagcaga	gctgaaagta	atcatatat	aggactage	ccaaacgcat	672840
caggaagcga	gcgcgctgaa	ggagccgaag	acctgaacc	aggegaeeeg	gatagettat	672900
tacgattcca	cattatgatc	ctaccgataa	accepange	ttanattat	tacctgaaag	672960
tgcagttcag	cagaaaatgc	agaccaaaag	gaggecatt	tegaactece	tgaaaaatcc	673020
agaagtagtt	tcatttttgt	ccccaataat	gaggccaccc	cgtttatgta	gatgaagccc	673080
tctaatgcaa	tcatttttgt	aaatattact	acceptical	cigetgagte	tataaaagtt	673140
aaattctgtg	aaaccaaaga	aaccatccac	tagastt	acttagaaat	gtgcatcgct	673200
atggaagagg	tgggatatga	Cacaggaaat	tagattgga	cgggacgcgt	aaaacctaca	673260
aaaactgctg	gctcgggagc	tacaygaaat	cacaatcatc	tgatgctcag	catgaaattt	673320
tctgcatgg	tagtctacgg	Door	gctaaagaat	ctagtagtgg	atatacaccc	673380
ttgaaagga	gtcgtggagc	aaaaytagaa	acaggtccga	tttgggatga	tgttgggggc	673440
Ccaratagaa	ttaactggaa	aacyacccca	gctccagact	teteetttat	aaatgaaact	673500
ataattaat	gggctcactc	gacgteteat	acaggtcctg	gcactccagt	aggagctact	673560
ttaggtggaa	atgtgaatgt	caacttggga	ggcattaagg	ttgatctggg	tggcatcaat	673620
accasatesa	ttacaacgaa	tgtcactaca	gaagaaggtg	gtggaaccaa	cataacatct	673680
atgaaattta	catctactga	tgataaagtc	tcaataacat	ctacaggatc	tcaaagtacg	673740
accyaayaay	acactataca	atttgacgat	cctggtcagg	gagaggat.ga	taacccaatt	673800
cccggcacaa	acacacctcc	tcctccaggt	cctccqccaa	atctaagcag	ttctcactta	673860
cigaciacic	cyaatgcgtc	cttgaaccaa	gtcttacaga	atotocoaca	acatotoaat	673920
acggerrarg	attegaatgg	taattcagtc	tcagatetea	atcaggattt	addccaddt a	673980
gradadada	gtgaaaacgg	agtgaacttc	cctactgtga	ttetteetaa	aactactacc	674040
gatacayate	catccggtca	agcaaccgga	ggagtcacto	aaggcggcgg	tcatatcoct	674100
aatattatcc	aaaggaatac	acaatctacg	gggcaaagtg	aaggagcaac	acctacacct	674160
caacctacta	Lagcaaagat	agtgacttcc	ctqaqaaaaq	caaatgtaag	ttccagatat	674220
gegeraceae	aaccacaagt	agctacgacg	atcacccctc	aagcgagaac	ggccagtaca	674280
cccacaacya	gcataggaac	cgggacagaa	agcacatcta	caacaagtac	adda acadaa	674340
acaggaagig	tctccacaca	aagtactggc	gtagggacac	caactacgac	gactcgatct	674400
acaygaactt	cggcgacaac	cacaacatca	tcagcttcga	cacaaacacc	CCAACCCCC	674460
cerecereta	ggaccaggca	tgttgctaca	atctccttag	tacataatac	tacaaaaaaa	674520
cetatigeat	cacaacaagg	gggtcgatct	caaagettee	cdatecetee	ctcagggact	674580
yyaacacaga	atatgggggc	acaattgtgg	gctgcagcaa	greaagttge	ttccacttta	674640
ggccagging	rgaatcaagc	agctacagca	ggttctcaac	catactataa	tagatettee	
ccaacaagtc	cacgaagaaa	atagetette	gtaatctagt	Egagaaagge	aagtgggtag	674700
aagtgaatag	ctaaaatacg	aggtcctgaa	acttaggaca	tattataata	dacatcatca	674760
acatettega	ettgctctag	ccaatcaata	agagetaagt.	ttacctcacc	atctttata	674820
ccacaaccta	ctagacgcaa	gggaagataa	atcaacctot	cttcactaca	antegeage	674880
tgactgataa	gtttetett	aacggaggca	agttcacttc	gaggagatata	agregeacce	674940
cccccccac	cttcggtatc	gagatectea	actactactt	ctataggata	2022224244	675000
acttcttcat	ctatagagct	cttagcgaca	gtacacgccc	ctttccttcc	agaaaatatt	675060
	3 -5	2-3404	Jacabacce	Juliucity	uaaactataa	675120

PC.T/IB98/01890 WO 99/27105

agtacgette caggitetae aagagaacet ceaegittat tiatageaat gegeatatea 675180 gaageegtae ggttettgtt ateegteatt getteeacaa taatteeeac teeceeatga 675240 675300 ccatacaget cataggtaac etetteaaag ttettttget etgeagaagt tgetttette 675360 aaattccttt cgatattctc attagggata ttattttcct tagctttctg tatcaccata 675420 cgtaatcgcg cattggactt agggtcagct ccccctaatt taacagctga aatcaactct ttaataatac gagaaaaaat cttgcctttt ttatgatctg ctctttcctt gcgatgtttc 675480 675540 gtattggccc acttactatg ccctgccata tcctccacct actcttttt tataccctcg caataaataa gcgtttgcct tttcccaagc aacagcacga tcatacaagg ggaaacgttg 675600 ttegtattet ttaaaetttt taeeatgaaa aategaaegt eeegatagag aataetetet 675660 agggactaca ctatgaacca tttcatgata cacaagatat tccataaaaa atcttgggat . 675720 ttcctgccga tctaaagaac gatgaattcg aattaactgt tcattttcat gaaacaatcc 675780 caagacaaca ctcttgcctt ttctggtagc tttccttccg aaccaaccaa tctgtaaacg 675840 cagtgcacct tgaaataact gcgcattcaa ttcctcatag atctcctgca aatcatagat 675900 ctttcccgga cagtagtcta ctgggaatga aggacgagca agaaccctgt gcgaagatag 675960 gaacgtcttt tgacgacatg ggaagcgaaa taccctatag agatacttgc tcagataacg 676020 ttggaaatta tgaagtactg tttcaaccat aacgatagga tgtctaaaac ctctttctgc 676080 gctctataga tcccttttcc atagtagttt tagcaagata gccgatttca tctttataaa 676140 aacggttttg ccttcctact tcgacaaatc caaaacgttg gtagagatgc agagcaggat 676200 tgccctcata gacticaaga tagaggacct caagcttaaa tcgcgtcttc gccaaatgaa 67626C taagattgtt tagcaaggcg gtccctatgc ctttattacg aaactcttct ccaacaataa 676320 tggaaatcag cgcatgatgg gaaaccttaa cataagggtt aagaaccaaa gttgccactc 676380 cagcaacatt cccattgtac acagctgtta agctagaatg ataacgatag aatcctaccc 676440 agaaatttac agtctcacga atttctgctt ccgtttggat gggaaatcca cgtaaaattt 676500 taggatcatt cagccatttt agcatatacg ttgcatcgct aggaagagtg taccgtattt 676560 ctaatcctag aattcctgta ttttgctttt ctgctgtcat gaaacnnctc caaactctgc 676620 caaatatgct ttaataaatt catccaatag ctcgccgtcg agcatcgctt ggacatttcc 676680 tgtttcatgt cccgtacgta catctttaac aagagtatag ggctgaaata cgtagttgcg 676740 aatttgagat ccccaagcaa tttccttttt atctttgcga tcaagagatt gcttctctaa 676800 acgttettgt aaaacetget gatacaactt tgettgtage atttteatae ageteteaeg 676860 attetgtate tgactacgtt cattttgaca tgaaacaacg actecagaag gtaggtgegt 676920 gatectgact geggatteeg taaegttgae gtgttgteet cetgeteeeg aagaaegaaa 676980 cgtatctata cgtaaatcat taggtcgtat ctcatcttaa tctntcatca atctcaggga 677040 agacgtetae agaagcaaag etagtgtgae gttteecatt actategaaa ggtgagatae 677100 gcaccaaacg atgtactect egetetgeet tggeatacec ataagcatae atteetgaaa 677160 actttacagt aacatgetta attecaacaa etteaceate taagegateg acaaceteta 677220 aggcccattg atgtttcgtc gcccatcggg aatacatacg aaacagcatc tctacccaat 677280 cacacgactc cgtcccacct gccccagcat tgatcgtaag gaaacaagag ttcttgtctg 677340 cctctccgga aagcaaccgt tgcgtctccc aaacagcaag tttcttctca caaaagagaa 677400 attettete taagtettea caaategeag ggtetteaag ageateggea teetegagga 677460 aaaactctat agcatctatt ttgcttttta attcctgata ctcttggatt tgtcgtctca 677520 gacttacaat Ctgttcagaa atttttccag catgaacact gtcttgccaa aaattttctt 677580 cggaactttc ttcttctaaa acttgaagtt ctttttgttt tttatcgagg tcaaagagac 677640 ctcgcagcta aagatatttc cgtgcgaagt gcttccaaac gcttgtctaa attttcctgc 677700 attactetta ccaacetacg attecaatea agattetaga aaacaaaage caataaagte 677760 aattagagca aggacttcct agagcttcta tgacttaaac aaaaaccaag acttttctt 677820 ctttttggag agaaagttct ttgttatatc ttttctaaag actccccttg acgctttcta 677880 aatagaaaag gtaaagagaa ttccactttt ttgttttgac gagaaacctc tctgagagat 677940 aaaaaagttg ggatgaagag ctcaggtctc ttcttaccac ctttactagg agtcaccaat 678000 gagtcaaaaa aataaaaact ctgcttttat gcatcccgtg aatatttcca cagatttagc 678060 agttatagtt ggcaagggac ctatgcccag aaccgaaatt gtaaagaaag tttgggaata 678120 cattaaaaaa Cacaactgtc aggatcaaaa aaataaacgt aatatccttc ccgatgcgaa 678180 tcttgccaaa gtctttggct ctagtgatcc tatcgacatg ttccaaatga ccaaagccct 678240 ttccaaacat attgtaaaat aaggaatttg ttcgctgttg acttaggctt aagaaagcat 678300 gagctctcat tctgatatgt taagtaccct gccctttagg gcggggatat aaagtgatct 678360 ttaatttaaa atggagtttt ttctattaag aaaagaggaa tacttcaaaa gcttagtatc 678420 acctataata ggaaaattot tgggccccat aaatagtoto aagtttotog tttttaaaga 678480 ccggaaatta gacaacaaat agttttatag tgcttatctc tatttcttta gccacccttc 678540 ctattcttgc cttttcttgg gcttccttca ttgaaccgaa ttggttaaga acaactgcta 678600 ttccatggag gcttccaaaa aaacatgcgc atttgcatgg tcttcgcatc gctcagattt 678660 cggatctcca tttccataag agagttcctg agaaatttct taataaagtt tccaaatcaa 678720 taaaaaattt ctctcccgat cttattgtat tttgtggtga cctcctttgc cgtgctcgac 678780 ttgaagataa ggaacgactt gaaaccttcc taaatacatt agaagctcct ctaggagtct 678840 ttgctattct aggcaatcac gactattctt cgtatatttc cagaaacact aaaggagaga 678900 ttacctgtat ccctgaggaa aaaagtcgtc ctatacaacg cgccatcatt gctgtaatgc

678960

aagggctatt ctcctctct agctatcgct atgatcccaa tctgactccc caagagcccc 679020 acccagacct cttaaaactt ctgaagaata ctcccctaac tctccttcac aataccacgc 679080 atgtcattcc taacactctt aatattgtag gacttgggga tetgttcgct agacaattcc 679140 atcctgaaca ggcattcaaa aactatgatc cttctctccc aggccttctc ctttctcata 679200 atcctgatgg cataactagg ctgcaacaat accctggaga ttttgtactt tcaggacatt 679260 cccacggtcc acaagttact ttgtcctggc cgaagtttgc tcgaaaattc tttgaaaggc 679320 tgtcaggatt agaaaatccc tatcttgcac gcgggtattt cgttactaag gaaggaaaac 679380 aactetaegt aaacegeggt eteggeggae taaaaagaat tegettetge teçecteetg 679440 aaatetgeta catcacatgt teetatgatt aagtettete taataettet tagtggagga 679500 caaggtacac gttttggatc taaaattcct aagcagtacc tccctctaaa tggaactccc 679560 ttagttcttc actcattaaa gatactctct tctttgccac aaattgctga ggtgattgtt 679620 gtttgcgacc cctcatatca agaaaccttt caagaatatc ctgtctcttt tgccattcct 679680 ggagagegte gecaagatte tgtettttea ggaetacage aagteteeta teeetgggta 679740 atcatccacg atggagcacg teettttate tateccgacg aaattcatga titattagaa 679800 acagcagaaa agatcggggc gacagctcta gcgtctccga ttccctatac cataaaacaa 679860 cgcaatcctg tgcgcactct ggaccgagac aatttagcaa taattcatac ccctcagtgt 679920 ataaaaacgg aaatcctcag agagggtcta gctcttgcaa aagaaaaaca gctcacactg 679980 gtagacgaca tegaagetge tgaaateata ggeaaaceet egeaactegt ttteaataag 680040 catecteaaa teaaaattte etaeeeegaa gatetaaega ttgeeeaage eeteetatga 680100 ctaaagtagc tettettatt gettateaag gaactgeeta tteaggetgg caacaacaae 680160 cgaatgacct atcgattcag gaggttattg aaagttccct aaagaaaatt actaaaactc 680220 gcactccact aattgcctct gggagaaccg acgcaggcgt ccatgcctac gggcaagtgg 680280 cgcatttccg agctcctgat caccetetat ttgcaaacge gaacettaca aaaaaageee 680340 tcaatgcgat tctccctaaa gatattgtaa tcagagatgt tgctttgttt gatgataatt 680400 tccatgcacg ctatcttacc attgctaaag aatatcgtta ttccctatca agacttgcca 680460 aacctettee etggeagege catttetgtt atacceeteg ceaccetttt tetacagage 680520 tcatgcagga aggtgcgaac ctgcttatag gaactcatga ctttgcctct tttgcaaatc 680580 atggcaggga ctataactct acagtacgaa cgatctatac cctggatatt gtagataaag 680640 gagattetet etecataata tgeagaggaa atggetteet ttataagatg gtaeggaate 680700 ttgtaggage cettttagat gtggggaaag gagegtatee acetgaacat etectagata 680760 tcttagaaca gaaaaatcgt agagaaggac cttcggcggc tcctgcctac ggcctttctt 680820 tacaccacgt atgctattcc tctccctaca ataacttctg ttgtgagcaa tgctctgtta 680880 gcacgtcaaa cgaaggataa gagaaaaatt ctttgccttt aagttcaggg taatcttcag 680940 gggtgatete egecategaa ttgatacata etaaagttge tggaatettg gagagegeee 681000 gaagcccctt cacagaatct tcaaatccta taactttcat tccttcacga gcaaacgtcc 681060 gatacgcgta gtcataacta tctccgtaag gcttagggcg tgcataattt tctcgggtga 681120 cccagaacaa aaatttattt aaaattggat acatagtacg tagtgtgtgc gtggcatctc 681180 ttggagagtt agttacaact ccaaatgttt tattcaaaga caagacaagc tcgatgaaag 681240 cttcgactcc aggcatcaga gcaggacetg cgtgttctaa ggacttgtag taaatctgca 681300 gtcgttttgc-aaagatctcc gccatgtact cttgtgcttg gggatattgt tctataaact 681360 ttttgctaaa aatttctgtt cctaaggtag tatgactata ataggtagaa aaatcccaat 681420 gcacttctaa agaaaattca gcacaggctt gtaaaaatgc acgataaaaa caaggttctg 681480 tatctacaag caaaccatct aaatcaaaaa agaaaacgtc ataatcctct aaatacatac 681540 cactcctcaa acacaactga aactcgtcgc ttaccaacat actataaatc caacattgtc 681600 ttaaaaatga ttttacggat ctccaccgta agccttctta caagttgctc cttctcgaaa 681660 aattotogta cotgtttogt cactocagaa ogcattacot cacaaaaaga otgcocogto 681720 cttctccatc caaaaagcac tacgatttct cccctctct atgactggat ctccccaaat 681780 agagaggtaa tcaccgccta ttctttctac tgccgaggtc aaggaaactc tatcataact 681840 cccgaagggg ttctctatga ttgtgatgga ctccatcaca gcataactaa agaagagttc 681900 cgttatatcc atcctagatt gattgaggta gtacgactct tgcaacaaga tcaccctaaa 681960 gtctctatta ttgaagcctt ttgttgtcca aaacactttc attttttaga agcctcagga 682020 atctcactct ctcaactcca tctccaaggt actgcagcta ccttcgctct agatcctccc 682080 ctccccatgg agaaactctt ggcaactata aagaaactgt ataaaaaaaa ctccgatcct 682140 totototota attttatogt tacagaaget acactgacca atccagaact gogactcacg 682200 caacaagatc toggotogoa tacagaaatt actgtagaaa ttotogataa totacaaaac 682260 aaagaggoto tttootoogo ataagagatt totottgoga taattagaac agaaacogta 682320 cattcgtggc tcactttatg ccggtgtggc ggaatggtag acgcggtaga ctcaaaatct 682380 actettagea ataaggtgtt ggttegagte egateacegg cataattett tetttttea 682440 ggttgccaat aaattgtttt gtcgtttttc ttagggaaaa ccaaagtaac accccgattt 682500 cttatgaatg aaagaaccct cttgctcttg ttaaaaaaga agaagggcct tttccttgct 682560 attttagatc ttacgcaaac agaatcctct ctaacgactc cagaattaga gaaagtctta 682620 aagcaaaaaa aaatetttet ttettgeate gatagagttg atetteaaat caaagagttt 682680 cgccatgcct totottocga acttocccaa gatatocaag aagagotgga agaaatoogt 682740 gatgttatta ttcgtattct agatacggat aaacgcaact atgcacagaa aaaaaaggaa 682800

```
titggtattt atgaacgtcc ctgattccaa gaacctccat cctcctgcat acgaactcct
                                                                     682860
agagatcaag gctcgcatca cacaatctta taaagaagcg agtgctatac tgacagcgat
                                                                     682920
teetgatggt atectattae tittetgaaac aggacaetti ettatetgea atteacaage
                                                                     682980
acgtgaaatt ctaggaattg atgaaaatct agaaattctt aatagatcct ttaccgatgt
                                                                     683040
totococgat acgtgtottg gattttotat toaagaggot ottgaatoto taaaagtoco
                                                                     683100
taaaactctt agactctctc tctgtaaaga atctaaagaa aaagaagtgg aactcttcat
                                                                     683160
ccgtaaaaac gagatcagtg gatacctgtt tatccaaatc cgcgatcggt ccgactataa
                                                                     683220
acaactagaa aacgctatag aaagatataa aaatatcgca gaacttggga aaatgacggc
                                                                     683280
taccctagct cacgaaatcc gcaatccgct aagtggaatc gttggatttg cctctatcct
                                                                     683340
aaagaaagag atttcctctc ctcgccacca acgaatgctc tcctcaatca tctccggcac
                                                                     683400
aaggteteta aataacettg tetettetat gttagaatat acaaaateae aacegttgaa .
                                                                     683460
683520
tttcccgaat tgcaagtttg taagagaggg cgcacaacct ctattcagat ctatagatcc
                                                                     683580
tgatcggatg aacagtgtcg tttggaacct agtgaaaaat gctgtagaaa cagggaactc
                                                                     683640
tecgateact etgaceetge atacateggg agacateteg gtaacgaace eeggaacgat
                                                                     683700
teetteegag ateatggaca agetetteae teeattette acaacaaaga gagagggaaa
                                                                     683760
tggtttggga cttgctgaag ctcaaaaaat tataagactc catggaggag atatccaatt
                                                                     683820
aaaaacaagc gactccgccg ttagcttctt cataatcatc cccgaacttc tagcggccct
                                                                     683880
acccaaagaa agagccgcta gctagaacgc gttcttgaat cttcaagacc acttagggtt
                                                                     683940
ctcaaagatc atctacgatg ttttcttatc cttgaaattg ctcttgctct agtctttcaa
                                                                     684000
cetecgetet aagetgtgea ttttettett geaatetttg aagetegace tetageteaa
                                                                     684060
-atctcattcc agcatcttct cgaacaggag agagaaggct ctcaaggtca cagcattttc
                                                                     684120
totgagocac trogcaatot ttgatogott gtgcatgcat ottatcaaga gotogtaato
                                                                     684180
cttctttctg ctcttctatg tgttctcgaa gcttgctgat ttctttttca gcttctacag
                                                                     684240
categgeaac cagttgagte aattegttag atttaaatge aagtgettte aggagttett
                                                                     684300
gattetette caegagtteg eggatettet tetggetgag agaageagaa tetgtgagta
                                                                     684360
eccagtcate gteetcaceg ateteagtag gageagegge accetetaaa teegetaaet
                                                                     684420
tettettgta ggeeatgttt teettttgag eetteteaaa gagateggea aaatgattea
                                                                     684480
tactttcttc taagattttt tcttttacct gtttctcctc ttgaagacgg ctataccttt
                                                                     684540
gttgtagctc tttggaaatc tttctcaact ttttctgcct cacgcagact gtcctggtac
                                                                     684600
tcaagaatga atgtattcag acgtctaatt tcttgggttt gttcgtagtc ttcctgttgc
                                                                     684660
tgcttcccta attcttcttc ccaaacagct gctgctttct tcagattagc atctttttgt
                                                                     684720
tegagetget teteatagte atggaceaga etetetaage aageettete aettttetet
                                                                     684780
gegttgactt cetgtaaaat ettttgeata tetagtttet gaeteagata tttetettta
                                                                     684840
tattcgcgat agaacagaga ttgttcgtca aaagcaatcc cagtaagtct cagatcctct
                                                                     684900
tgtaatcttt ctaatttggc attctgctta cgccaagcct tctcttgttg atggattgtg
                                                                     684960
cocctcatct caatccactc ctgcatagat ttcagctgtc tccttaaatc cttctccagt
                                                                     685020
tgctggcgtt ctgcacaatc catctctgtg ccctcacagg cacgctgcga agcctcgcga
                                                                     685080
tcatgagccc gttgtatatc cttctgagat tggttaaata cgttgtaaag ccgtccagca
                                                                     685140
tetettetge tegteatega teegaeteet taaatettge aeegtetget getgeaaaet
                                                                     685200
gattagatet tgtagaegag aaatetettt tteeceetee tetgatetaa etgteataat
                                                                     685260
teettgaaca aategeteat aacttetaeg gttaaattet ageegategg caaccaqact
                                                                     685320
acgeattice aagageteea geaagaacte atacettice tegiettiaa gaigggeegt
                                                                     685380
cgagcgatac agaatctcct cttcacgtcg cagcttacga tccaacattc caagacgctt
                                                                     685440
ttcacagtct acaaccacct ggggcaccgc agggtcctta gcgtctctat cctttaagag
                                                                     685500
aacctctaaa agagtccctt caagaacttc tctggtctcg tttcttaaat cttcaatctg
                                                                     685560
aatttgttgt ggttcaggaa ccggagggag ttcctcagga aggccctgag aatcataaag
                                                                     685620
acataaaatc aaagccaaag caaatataac ggctcccaaa gcaatcagac ctgttccaat
                                                                     685680
aaacatagga actgctggca gcaatcctac gagtaatcct ccccctaaaa tagtaagaag
                                                                     685740
agcaagaata ataagactta cettaacaat tgtatgatte catecacact getggacteg
                                                                     685800
agctattgcc atctcccctc tttcctcaag cgttagcggg gaaaagacag ggtggttact
                                                                     685860
gcctagctct cttacaaaac taggatcttg aaatgtaggg gatttttgag cgggtgttgc
                                                                     685920
catgttgcta ctacaatctc caattgaaaa attatttggc ctaaggattt tacgtcttaa
                                                                     685980
tgatatttaa atacaacgat taaatcgtat ttcttatttt ataaaaagta tttgataata
                                                                      686040
ttttttaaat tctttctatt aaattgaaag ttttgcttca tttttcaaga tttagtaaaa
                                                                      686100
agaaaaaatg aatccatcca ggggagagaa catggcgatt aaaaatatac ttgttgttga
                                                                      686160
tgacgagccc ctactcagag atttcctctc ggaacttctt acctcacagg gattcatccc
                                                                      686220
agacactgct gaaaacttaa gaaatgctct ccaaatgatc cgaagtcgag actatgacct
                                                                      686280
tgtcatctca gacatgagta tcctgacggc tctggtcttg atttaatcaa aattataaag
                                                                      686340
caaagctccc cccacacgcc cgtccttgta gtcactgctt acggaagcat agagaacgcc
                                                                      686400
gtagaggeta tgcaccaagg ggcattcaac tacttaacaa aacctttttc ttctgaagca
                                                                      686460
ctttttgcct ttatctctaa agctgaagaa cttaagaacc tagtccatga gaatctcttt
                                                                      686520
 ctacattete agacaacace agatteacae cetetgattg cagaaageaa ggetatgaaa
                                                                      686580
 gatettettg ceatageaaa aaaageaget teaageteag caaatatatt catteaegga
                                                                      686640
```

gaatcgggat	gcggaaagga	agtectete	ttttttatco	accacaacto	tcctcgagcc	68 <i>6</i> 700
aaccacccct	. atattaaagt	. caactgcgca	gcaattecto	( aaactctctt	agaatcagaa	686760
ctttttggcc	: atgaaaaggg	agcatttaca	l ggagcaacta	Caaadaaddc	addacatttt	686820
yaacttgccc	: ataaaggaac	: cctcttatta	gatgaaatca	cogaagtoco	agtaaacctt	686880
caagcaaaac	teetgagage	: tatccaagaa	aaagaaatcg	aacaccttgg	aggaaccaag	686940
acceteceg	tagatgttcg	catettageg	acctcaaacc	gaaagettaa	aggaggtatc	687000 -
yacyacaaaa	. gcttccgaca	agatctgtat	. taccqqttqa	atotcatece	totacacete	687060
CCCCCCCCaa	. gagaccgaca	ggacgacatc	ctccctctga	cgaactactt	cctaaataad	687120
ricigeegea	tgaacaatac	tcctctgaaa	. accctctctc	Ctaaagctca	agageteete	687180
CLLAACLACC	cctggccagg	caatattcga	gageteteca	atgttctgga	acqtqtqqtt	687240
accetagaga	acacctccct	actcaccgaa	gacatgctcg	ctttagcttg	atctcctcta	687300
ggggtttt	trgrittet	caatagcatc	tggtaagctg	atttgcttta	atctctgtat	687360
tttttaagc	accgataget	caattggata	gagtacctgg	cttcggacca	aataattaa	687420
ggttcgagee	ctcttcggtg	cgttaaattc	tttttttgaa	taggtatttc	tccttataat	687480
ayayctatgg	agaactattt	attttatcta	ctctcctaaa	gcatcacgta	accetaggag	687540
acaagalgag	acctcatcgt	aaacacgtat	catctaaaag	Cttagcttta	aagcaatctg	687600
tantante	tgtagagatc	acaacaaaag	cctttcgtct	ctctatgcct	ctaaaacagc	687660
ctastastas	gaaaagcgac	cacctccccc	ctatggaaac	aatccgtgtg	gtgctaacct	687720
Cicalaaaga	taagctaggc	accgaggtgc	atgttgtage	ttctcatggc	aaagaaatcc	687780
LLCdadCLaa	ggttcataac	gcaaacccat	acactgcagt	gatcaatgct	tttaagaaaa	687840
teegeaceat	ggcaaataag	cactccaata	aacgtaaaga	Caggacaaaa	catdatctad	687900
greergeage	aaaagaagaa	cgtatcgcaa	tacaggaaga	acaagaagat	caccttaaca	687960
accgagigge	tteetgtega	aggcctcgat	gcctgggatt	ctctaaaaac	tottoootat	688020
gillinglat	cagcgaaaaa	gaagatetee	aagaaaaaqa	tgagcattcg	tatoctatct	688080
caagacgagg	ctatccgcca	gctagagtct	gccgcagaaa	acttcctgat	cttcttgaac	688140
gagcaagagc	ataaaatcca	atgcatttat	aaaaaacatg	acggcaacta	tgtccttatt	688200
gaaccccccc	tcaagccagg	attetgeate	tgaggactcc	acatcgcaat	ctcaaatctt	688260
geteteette	agaaatcggg	agttagtttc	tactcccgaa	gaaaaagtcc	gccaaaggtt	688320
actcaaaaact	ctaatgcata	agctgaacta	ccctaagaaa	ctcatcatca	tagaaaaaga	688380
accedadace	ctttttcctc	tgcttatgcg	taaaggaacc	ctaatcccaa	aacgccgccc	688440
agacatccc	atcatcactc	ccccacata	cacagacgca	cagggaaaca	ctcacaacct	688500
actcaaacaa	aaacccctgc	tacttatcga	atgtaaggcc	ttagccgtaa	accaaaatgc	688560
gaaacactct	ctccttagct	ataactactc	tateggagee	acctgcattg	ctatggcagg	688620
taactccca	caagtgtcag	anatastas	tccaaaaaca	caaactcttg	atttttatcc	688680
catccatgca	gagtattccc	acceccaa	tratt	tctttaaact	tatagctaat	688740
atacactcac	gatctgtgtt	accegetering	cacttcgcag	ccgcccctta	ggaaaaaatc	688800
aaaccctcca	cactttattt	caacaaacca	ttatacast	cttttttgca	aagcaaggac	688860
tacatcotaa	atgtgattat	Cttcctaaac	trangere	acctttgggg	aagtatacgt	688920
aagcaatcaa	tggctcacgc	actetectaa	cyacccacgg	ggatatecte	aatgccttcg	688980
tggcttctca	acaaacctac gtggaaagaa	aageettege	atagerageg	aaaaatgatt	caagetette	689040
tccaccgtat	tcctgaaagc	aggettege	acaagetet	CCCCCCACCC	ttgaatttcc	689100
ttctccaata	cgaaggaatc	ctagacctga	ctccaccata	agecatettt	gtacttaaac	689160
taccctatgc	ctgctatcgc	taccaaggg	ataaactate	tragetatge	aaagcatctc	689220
aagccatctc	catcgagaaa	даадаадаас	aaatottaca	caayaaacat	cagcataaac	689280
agttttctga	acttctagct	attocagaar	toccasttca	tatagata	catgcgaaga	689340
atttgtttga	ctcgctacaa	gaggaaaaaa	aatcagaaag	aaattettee	adaacttttt	689400
atcatgaaat	cctaagactt	tctaaagtag	tccatcccta	adactetteg	gaagatccat	689460
ccctagaaat	tataattatc	aaaggtaccg	Ctgcaccaaa	cctttcaaag	acgigtagge	689520
ttcctagaat	tcaagaaaaa	ttgagagaaa	taaactccct	aararaarat	aaggtgtgtt	689580
ccctcactag	atacgttaaa	tattaacgtc	acctcagaga	atccaactaa	aaccytaecg	689640
tatatttat	tccatacacc	ccaaccctgt	tttataaaco	tactcccac	accattgtgg	689700
cccccaaag	aagtttttgt	atttacaatg	acccaacat	ctttagggaag	++++	689760
acagactett	Lugattaga	aatggtaatg	gtactactic	tattocattt	~~~~~~~	689820
tccatatcca	tcttgcaaga	actacaagaa	aaatttagag	catagagaag	gccacggaaa	689880
CCCCCacacc	Lugcacqqaq	atgaccgaaa	gaacettast	22ttt222		689940
gggaactete	Cagtcagatt	gaattcgacc	catttttttc	tctacaccta	gattt ggat-	690000
cccccacac	cagggtaget	LLLCgaaaaa	tcaaaacaat	aaatataaaa	+~~++~+	690060 690120
ccagaaagcc	aacaagggac	agaaaqcagc	tgattcccaa	200220000	20022222	690120
acaacyaaaa	aaadtaaata	tcgacaagcg	aatcccaaat	tatoatotoo	******	690180
agccaaaaac	aaataataaa	ggaggggac	atcacgaage	tattoccass	~~~~~~~~	690300
gaaceccaa	ggaaagetee	actaccacct	caagataggg	catataccas	******	690360
cccgcaagaa	yaaactagct	taccgagget	gtacccttta	CCTCaacaaa		690420
ccctaccacg	aaaaatcagg	tacattgtcc	taatagctag	aaggagtaaa	gcctaattat	690480
			_	·		420400

gcgttgcact	gcctactgta	cagcatctgc	ttataacctc	catgtccttt	tccacctact	690540
taaaccccgc	tatcctacca	tcttatctag	agaatatgtt	ctcgcaaacc	tagatagtac	690600
acaggcaagc	aaccagttag	cgatcttctt	ccctttcgga	gttgccgtat	tctggggttg	690660
ggaagagtcc	gaagaaatca	aacttttaca	aacaatcgtt	acagcatcac	cagaaattct	690720
	gagatcgatt					690780
	accettgeeg					690840
	gtaaaactca					690900
	ccccaagatc					690960
	attggcaagc					691020
	cctgattttt					691080
	ttagatattg					691140
	aaattcttaa					69120C
	ggctgattat					691260
	cgtttcttgc					691320
	cttatctccc					691380
	gaacaagcct					691440
	ggaaagtgtg					691500
	gaagttttag					691560
	tcttatccat					691620
	ccacatactc					691680
	tgcaggccaa					691740
	gagactcttg					691800
	aaacaacatc					
	aataagattt					691860 691920
	cattgcaaaa					691920
	ctactgaaga					
						692040
	gagtcgagca					692100
	ctatcagcaa					692160
	aaatcacagg					692220
	tcaactctgt					692280
	ctatcgctac					692340
	tgaacaacga					692400
	aaaggtagac					692460
	agatgtcttt					692520
	cactcaggat					692580
	cgcctaaaac					692640
	taaaatccct					692700
	tgcaancata					692760
	ttggcataga					692820
	caaaaatttt					692880
	ccgacgggga					692940
gcaggattga	ttgtagctct	tgetetaeet	ggagccaaat	tatttgatag	cgaaggacaa	693000
gcctacacaa	tcaaaaaatc	taaacttcgt	ggtgtagaat	ctcaagggat	gtgctgcgga	693060
	tgggccttga					693120
	ctttaggtga					693180
tetetaaeae	cgaatttagg	ccactgcgcc	teetteetag	gattggcccg	agaaatctgc	693240
cacgtcactc	aggcaaacct	egtcatccct	aaggaattet	cgttcgaaaa	tctcccgact	693300
	acatgggcaa					693360
	ctgcgcaacc					693420
	taaatgctat					693480
	cttacgatgc					693540
tccaccccag	aatctctcac	cctattgaac	ggagaaaccg	tcctcttgcc	ctcaggagtg	693600
cctgtagtcc	gcgatgatca	tagtctcttg	ggtcttggag	gtgttatggg	agcgaaagca	693660
ccctcatttc	aagaaaccac	aaccactaca	gtcatcaaag	ctgcctattt	cctccccgaa	693720
gctctccgtg	cctctcaaaa	acttctcccg	attccatcgg	aatctgccta	tagattcacc	693780
cgggggatcg	atccacaaaa	tgttgtacca	gcactacaag	ctgcaattca	ctatatttta	693840
	ccgaagctac					693900
	tcgctctacg					693960
atagagatcc	tctctcaaaa	gttacagagc	ttagggttct	ctacgactcc	acaagaaact	694020
tccttacttg	taaaagtccc	ttcctaccgc	catgacatca	atgaagaaat	agatctagta	694080
gaagagatct	gtaggacaga	atcttggaat	atagaaactc	aaaatccagt	atcctgctac	694140
actccaatct	acaaactaaa	acgtgaaact	gctgggttcc	tagcaaacgc	aggacttcaa	694200
gaattettea	ctcctgacct	gctagatccc	gaaacagtgg	ctctaacaag	aaaagaaaaa	694260
gaagaaatct	ctcttcaggg	ctccaaacat	accactgtat	tgagatcctc	actgcttcca	694320

ggattattaa aaagtgctgc gacaaaccta aatcgccagg caccctctgt tcaagctttt 694380 gagateggea etgtetatge aaaacatgga gageagtgte aagaaactea aactetggeg 694440 atcctgctca ctgaagatgg cgaatccagg tcctggctcc ccaaaccctc tctttctttt 694500 tattetttaa aggggtgggt agagaggetg etetateace accatettte tatagatget 694560 ttgaccttag agtccagcgc gctctgcgaa tttcacccct accaacaggg agtgttgcgc 694620 atccacaaac agagttttgc tactttaggt caggtacatc ctgagttagc aaaaaaagca 694680 cagataaaac accctgtgtt ctttgcagaa ctcaacttag accttctatg caagatgcta 694740 aaaaaaacaa cgaagcttta taaaccttac gccatatatc cttcatcttt tcgtgatctc 694800 accttgacag tacctgaaga catccctgca aatttactga gacaaaaact tttacacgaa 694860 ggttctaaat ggcttgaaag tgtaaccatt atcagtatat atcaagataa aagcttggaa 694920 acacgaaata aaaatgtttc tctacgcctc gtattccaag attatgagcg aacattatct 694980 aaccaagaca ttgaagaaga atactgtcgt ttggtagctt tacttaacga attgctaaca 695040 gacactaaag ggactatcaa ttcatgaaac aattactttt ctgtgtttgc gtatttgcta 695100 tgtcatgttc tgcttacgca tccccacgac gacaagatcc ttctgttatg aaggaaacat 695160 tccgaaataa ttatggcatt attgtttccg gtcaagaatg ggtaaagcgt ggttctgacg 695220 gcaccatcac caaagtactc aaaaatggag ctaccctgca tgaagtttat tctggaggcc 695280 tccttcatgg ggaaattacc ttaacgtttc cccataccac agcattggac gttgttcaaa 695340 totatgatca aggtagacto gtttotogoa aaacottttt tgtgaacggt ottocatoto 695400 aagaagagct gttcaatgaa gatggcacgt ttgtcctcac acgatggccg gacaacaacg 695460 acagtgatac catcacaaag cottacttca tagaaacgac atatcaaggg catgtcatag 695520 aaggaagtta tacttccttt aatgggaaat actcctcatc catccacaat ggagagggag 695580 ttcgttctgt gttctcctcc aataacatcc ttctttctga agagaccttc aatgaaggtg 695640 tcatggtgaa atataccaca ttctatccga atcgcgatcc cgaatcgatt actcattatc 695700 aaaatggaca gcctcacggc ttacggctaa catatctaca aggtggcatc cccaatacga 695760 tagaggagtg gcgttatggc tttcaagacg gaacgaccat cgtatttaaa aatggttgta 695820 agacatctga gatcgcttat gttaagggag tgaaagaagg tttagaactg cgctacaatg 695880 aacaggaaat tgtagctgaa gaagtttctt ggcgtaatga ttttctgcat ggagaacgta 695940 agatetatge tggaggaate caaaageatg aatggtatta eegegggaga tetgtateta 696000 aagccaaatt cgagcggcta aatgctgcag gatagtttgc ggtaatggct gatgacaccc 696060 tcattcctaa acttatgaag aactcgcttt cgcaggcgtg ttctgagggt ttactgattg 696120 ctaagtatcc tccactccag gitatcgttc actttgataa taacctagtt gttaaaacac 696180 atctttcagt agetectgte ttetettgte tttttttagg accageaget cacaaageea 696240 tgcaggaaat tgttttatgg tgttctcgct atgccaacaa ggaacatcct cctttttcct 696300 cgcattttgc taaagacctc atcccctcac aatatctcga aatcctaaac tgcgttgcag 696360 agattecett tggagageag caaacetaeg etgaaatege aaaaaaaaet gataegeace 696420 ccaggactgt aggageegea tgeaaacaaa ateegtttet getgttettt ceetgteate 696480 gcgtcgtagg aagccatgga gagcgtaatt acgtcctagg gcctgtaatt cacgagatct 696540 tattgaaatt tgagaatage tactaateee eagetataga tttaagagte ttgeagaegg 696600 ggatctaaag catcacggac tccgtctcct atcagagcga tcgcaatcag caacatcgtt 696660 aatataattg otggaggeea aagaacagea etetetgeag ggaateetgt aacaccetee 696720 ctcataagat ttccccaaga cgcggaactc tcttccccca gacctaaaaa ggtcagccct 696780 gcctcacagc taatcatagc catcatagca aacggaacta aagagatcac agggacaatg 696840 gcattgggaa ggatctgatg caccataata taatagtggc tataccctaa gtttgtagca 696900 gcaagaacat aaccteggte tegetgttte aacaceteaa taeggacata cetaetaaae 696960 cctgtccaac taaaacagcc tagcaaaact gtgttcaata gcaaagattt ctgctgtgtt 697020 atggaaatca ccagcattaa gataaacagc acaggcatgg tctcccaaat ttcagtaaac 697080 cgagataaaa tcatatccac ggtcccaccg aaatatccag aaaccaaccc gatcataatc 697140 ccgatagcta aagctatcgt aatcccaata cctgcgacta ccaaagctat gcgaatgcca 697200 aatactaaag ccgctagtaa atctttccga gtgactctgc taagctgcca ccaaggaaca 697260 tacttgttca tttctcgaga tcccccagca tcatcttccc aatggaaact actgaaaaag 697320 gggttaatca aaatgcgaag atcttcagac tctttctcga tccacaaacg cttatcttga 697380 atgaaactga tegegetgeg cagettggea tagtetteaa gtacetgaeg aatetecaae 697440 aaagattttt tatagggete tgetegttte tetacattag cataagcaat acaaaggtet 697500 traggttgcc cccagttgtt gtaatccgcg aggcggagct catgctctat tcttgtcaag 697560 gccatcagaa acggtcggta gttgtccgta gcacgattcc aagcttgctg cgccatctca 697620 tagggacgct gcatcttgtc gactctttgc tgtaatcttt taaggcaaat gccttcattt 697680 ttcatctcta agtgacgcaa tgttggcatc ggagactgcc gtttttcttc aaaagcgacc 697740 tgatacttct ttacagaage ctettgtttc tttcgatact ttgccttaat gagaatecee 697800 aactgctcat acgtactcat ataccgccgt tccatctccc aagtacgtgt atctttgggg 697860 agcagcatga ccatctcaga attcacctta ctgatgtttt ctcggacctt ctcagctcgc 697920 atttttttta aattctcagt aacgegggat ettgaaettt eccaetatag geècaageaa 697980 aaatcataca ttgagaaatg atgcacagee etaacaacca acgaegtaac cacecectag 698040 tcaacttaaa agaaagtatg aaaaagggaa acgtgaccat caaaacgttg aaaaagagat 698100 ccactggttt agtgtaatac ccagggaaaa acaagtacct cagtaaagga aaaaagatct 698160

_						
		aaaggtttac				698220
tcagagcgac	agaaataaaa	aatttccatg	ataaagaggc	taataaattt	ttatagtaag	698280
		aaggaaggat	-			698340
		agtacgtagc				698400
		acagaaaata				698460
cctgatagaa	gaagttccca	aagccatcta	tattgaatag	ggtttctaca	accaacgccc	698520
ctccaagtaa	cgttcctaaa	tgaagaggct	agagaggtca	ctatagagac	tgcagcattt	698580
ttccctacgt	gcttatatag	aatatcaaac	caacgcaatc	ctcgagcttt	agcagcacaa	698640
ataaaatctt	ggcttaatac	ttctaaaaat	atcgaacgac	ttaatcgtga	ctgtgcggca	698700
		acagaaaggt				698760
		attaaaaacc				698820
ataggaattg	tggtaaatgg	aatcgtttta	ttaataacaa	agttatctaa	gatccaggga	698880
		agaaaataga				698940
		tgccatgatc				699000
acaatcatag	gtaaaattga	caagaccaaa	gaacaacgta	aacgcttgat	cacttctgaa	699060
		atttcgtaaa				699120
		ctctaagaaa				699180
		atgatcttgg				699240
		ctgtcttact				699300
		gctaagatta				699360
		aatatggcga				699420
		aacaaacttc				699480
		agtagtatta				699540
		cttagggcga				699600
		ataacggtcc				699660
		gtccctagac				699720
		agagacaata				699780
		cacggatcct				699840
		tcaggaatta				699900
		agtaaggaac				699960
		tggaaacggt				700020
		atgattttat				700080
		gccccttcag				700140
		attaaaagag				700200
		cctagaaggc				700260
		gtatgagcgg				700280
		ccatcgataa				700320
						700380
		aggagacgag ggagaactcg				700500
		ataatcctct				700560
		aataatgaaa				700620
		cggacggctc				700680
		aaattatctc				700740
		tggaataggg				700800
		agaggatcat				700860
		aagtagtagg				700920
		gcccaaatgg				700980
		ttagcaaaat				701040
		gcagagtaga				701100
		catctgacta				701160
tastascara	ctcataacaa	gagcgcagag	ccactgctcg	catggttget	acataagggt	701220
teataacaye	gccgcagaaa	aacttaatat	catgagetgt	cacaggatga	ggacgttgaa	701280
acacticgtc	caactgaacg	tgttttggaa	yggccttagg	acctatagga	cgccaaaaa	701340
		tgaaactctt				701400
		tctggagaaa				701460
cladactaga	acacagagat	cgtaaaagcc	cacgacatat	caaagccatt	aaaaggctca	701520
		tgggcagtgc				701580
		tgctgtttat				701640
cayyatetee	aaagagtaga	gcaaaagctt	cgtctctgac	yagcttagga	gcgagcatca	701700
ceceaggtge	cgcagggata	gcttgtgatg	cccgctgttg	rttcactacg	cgtgagattt	701760
		tctcttacgt				701820
		aacaaaatta				701880
		tacatgtgac				701940
ccacayggat	CTCTCCCCAA	ccatttaatc	cgagggacct	cagatgctgc	atagtattaa	702000

aatctctcaa	aatcttatac	aataagtgct	gcttcgcacg	, attaagagaa	catgtttctt	702060
ccttcaacaa	agaggaaaag	gtcttttgtt	gatatttaga	tagcaatatg	atgaggtccc	702120
cgtatgccaa	i totgtottgt	ttgagttgta	aattcactgg	ctgcaaacat	ggatcaaagt	702180
ggtttggcag	, catgttctga	aatctctttg	cttggcataa	actgtattga	aaagattttt	702240
taatcttcat	gtaaccatgt	tatgctttgg	actatgaatg	ggtcaagaaa	tttcagaaga	702300
gagggataag	ı gagcaaagac	tcttttagaa	attatttgtc	gctacataga	acaaaaacaa	702360
tctccaaaat	: tttaatataa	gagagttgtg	agtatggaaa	taacttotca	acteargggg	702420
gananagaca	aatagagggc	tttcaccctc	ttgtttgtct	tttaaaaact	aaaaactatt	702480
cagcagtatt	ctcttcagaa	ccgccttctt	catcttttc	agtttgagtg	Ecoctaticto	702540
aagattcgtc	tegteettea	tcttcagaac	cttgagcttc	atcttataat	gctgaacaag	702600
attegtatee	aaaagcagaa	cctgcaacag	gaagcacaag	agctaaaaga	agggctaaca	702660
ttaattttt	catttttatt	ctccttattt	aaaatacgac	agctcaaacc	tgagattggc	702720
caaataatca	gtaacctatg	acaaaataaa	ggctgacgta	aaggtttcca	ggcactatat	702720
aaaaaaagaa	aaataatctg	caaataaaaa	gtataaaaac	aaatggatag	tattattact	702840
cgcgttgttg	aggaaacaag	taaataccat	agagtaaaac	tataattcct	atgattagta	702900
gacctataac	caatgggata	ggtaaaagcc	ctaaagccaa	acagccatct	ataaatacct	702960
gagcaagagg	ggttcgcagt	aaatataata	cttaccgcag	Cagaagcaca	aaaaacaact	703020
aataagccta	gaattgctat	agcactagca	atttcgtaac	gagaacttac	adaggeauce	703020
gcacgccaag	aaaccctgac	tctattccac	agactgtctt	gccttaaaag	aggetaatee	
ggtgttattt	cgtccattga	attaatgata	tcatcaacat	gtattctagg	aggataatta	703140
aaaattagta	tttatattca	acaccataaa	atttaataaq	tttttaagat	trtttatat	703200
ctctttttt	tatctcttcg	taaattctta	gaccttrage	atteatacet	tactacaat	703260
aaagtattcc	taactttgac	atcotttcta	catcattage	ttttaatttt	agazazata	703320
catactettg	gatttcttcc	atagggattt	gcaagtcatg	atacctataa	aggacaactt	703380
cgtqtaccca	agcgttacct	ggaggatact	Catttaaaat	ttagecataa	gegageege	703440
ttcgcgccgt	tgcaaaaaac	ttttcttgaa	tctcaccact	atatotaco	caatagete	703500
aataattagc	atcaaactct	gggtatttcc	tracatetae	atacctaccc	gaagggatcc	703560
catacgcatc	tgctaaagag	acatococac	taagatetae	igranagacca	gaaagagcta	703620
tgatataagc	ttcgatcgct	ttttggagta	aacattcaca	agggatgget	cgaaccactt	703680
aaaaacaaaa	acaactaaat	ttcctaatga	gatcatgett	aaaaagaaag	taatetttee	703740
cagaaagaag	agagtattct	trattctraa	gattatataga	gggcaagaat	ttgaatatet	703800
ctaaatgcga	ttgctcttct	acaatottot	gacccacaga	atterragea	getgetgeeg	703860
gaagatactc	tgaagcgaga	tecteasas	aatcaccttt	accygyayga	acagcacctt	703920
gtgtgacaag	gcaaacaaac	aatotaadaa	22222222	CCCCGaaaga	agatagagcc	703980
ctgttttccc	tgagaataga	aagaaatata	dadaaaaaact	aagacagaat	geeggaatga	704040
gagaggetee	acaaacaaag	aggatetect	taattaaata	Cttargtarg	gcgacgagaa	704100
ttttattaca	taaagcttct	aaattctcct	daaaacctaa	agetteate	tgacgacttg	704160
cctactttqt	taattctaat	ggaaaattat	gadattaatt	aggeeeeaca	aaccetgage	704220
ctccctattt	ttagcaaaga	aagtcaccgt	gagaettce	gcctatata	aacycctggt	704280
tggaggacct	cgtcatgcta	aagaccttca	agaatttctg	atttatataa	tagctaattt	704340
agatgttacg	ggcactttcc	ttcccagagt	actorateor	catotottac	ctactgatag	704400
taaaaaacgt	gttccgaaag	ttctccctca	atatoaatot	ttggaaaatt	ctttcatcgc	704460
ttattttgac	accgaaactc	ttgcaaaaac	actotototo	atatta	ggtctcctat	704520
tccatttcac	cgctatctac	CCAGCACACA	traaaarara	tractions	cgcctgtaat	704580
acatacocot	cacgtgatag	gratecettt	atteastan	ttacate	tgcgtactct	704640
aagcattgta	cgtttcttta	tgaagcacgt	CCCCCCCCCC	ccacctatt	ctgttacggg	704700
atttgggagt	gattctaaat	tratetetet	Cattacctcc	cocatteet	ggattcccca	704760
gaagttagga	atcttagaaa	aagagtgctg	Cttcttatt	tatata	atttecttea	704820
acqctatatc	tctcaaggag	atccctatac	Caaccaatct	tatasatas	gacttcctgt	704880
tacqacaaac	ttcaagcaat	Ctgagaattt	tettteette	catgaatcat	tttcagcaat	704940
aaaatggctc	tccccgtcca	Ctacacaact	atataaaaa	caatcgaagt	ttggtcctgg	705000
totcattott	atacetttta	gcttcatttc	tastasatta	acagatacgg	ataagcctaa	705060
aagggactac	gtgccttttg ctgcctctgc	tacattataa	cyalcacttg	gaaactttat	atgaaataga	705120
ttatagetee	cctctttaaa	tatogacttt	aggatategg	gcattacgaa	tcccagcgat	705180
agttgccgag	cctctttggg	agaggggggg	yytayacate	grgaaagaaa	actctacagt	705240
ggaagacgat	gagttaataa accgctgttt	tataccetor	tatttt	gggattcgat	aagattttag	705300
cctgcgttaa	accgctgttt	Casatetee	tttatatatt	agcgtcgtgt	tttcacaagt	705360
ccatctgcgt	accetteaag	transteres	ttea	LCagtattgc	aagccgcaaa	705420
agcgcggtca	ttaagggttt	aggaggagette	cicagtotto	ctttatatgc	tgtttctatt	705480
tccaatccta	cttcaattac	-yyayctaga	ayaycgtcgt	aacaattcga	tgttaaggct	705540
acaagaactg	ttggaacatg	Cttatacact	ccaaccacag	cgtcagggat	attttgagct	705600
gattggtaag	aagagtcaaa	accacaca	aggagagagagagagagagagagagagagagagagaga	yacctttaag	atcctctata	705660
gaaaattgat	gagagtettg	catctc=caca	ayyacayyac	ccgcgagtaa	aatgggatca	705720
gtctttttat	agtgttcgag	Ct Caaaga	trangerant	cagatgtaaa	tgctccttgg	705780
2	catctaaatt	aaayaya	Lycacccaat	cergatttac	aatattaata	705840
					•	

titagattct	ctttatagtt	aatctcagaa	acaagatcgt	ttaaaaatgc	gttggtatcg	705900
gatgtataaa	tgccgaattg	ttttggaaac	caggtggcat	cacgacctac	gagaacttct	705960
		gaaaaagatc				706020
tttaccttcc	aagaaaattt	tatcttcacg	tttagctgtg	cctcgctgtt	ctgcctcttt	706080
ttgcatcata	ttctagataa	gaaatttta	tccagcgcgc	tataaagcct	aattttaaag	706140
		tctgaaaaaa				706200
		taagaaggac				706260
		aagatatgtt				706320
		ttcatcggag				706380
		aatcttctgt				706440
		gattagatca				706500
		tctaaagatg				706560
		tattgctttt				706620
		aaaacctatc				706680
		cctacagata			``	706740
		agaaaatgtt				706800
		tgaggaacaa				706860
		ccgaatccat				706920
	-	cttccatcag				706980
		gggtagtgtg				707040
		tttaaacggc				707100
		tgagtagaag				707160
		cgcactccta				707220
		agagaggag				707280
		tttccacgaa				707340
-	-	gcctctgaga				707400
		tggacaacag				707460
						707520
		aaaacttcca				707580
		atatgcattt				707640
		ccataaaaag				707700
		gctacacttt				707760
		taatattatc				7077820
	-	gattctgtag				707820
		tctcacagtc				
		ccataattat				707940
		cactccgaga				708000
		tcatagaatc				708060
		tatcatcata				708120
		ttgcttcata				708180
		tttgtacttg				708240
	-	cttcttcgcg		_		708300
		caagaaagtc				708360
		gaaaacgctt				708420
		cagaatcaat				708480
		caagaaccat				708540
_		tgtagagctg		-	-	708600
		gtaagttttt				708660
		ttcaggagca				708720
		taaatgctgt				708780
		tgcactaatt				708840
_	-	ggtaggctta				708900
		gataattact				708960
		aaaatcgttt				709020
	-	taaaaaggcc				709080
		aataggttct	_		_	709140
-	-	tagatcacca				709200
		aaataccgaa				709260
		atctaagaat	_	_		709320
		ctctattata	_			709380
		agtaaataac				709440
		tegeaatace				709500
		ataagggact		-		709560
					gatcacaaga	709620
cgcatatcta	catacagagg	agtttcttct	ccgctagcga	gaatatgttt	cccgaacttt	709680

```
atagcteega tttggtatag aattgetaca gettgacege gtaattttge atettegtag
                                                                       709740
 ttcatcattc tccagagcct ccgaccgttt ttgacaaaat acaaaaaact cacttataag
                                                                       709800
 ggaaaacatg ctaatacgcc tgtttcttgg aatttctctt cccaaaggct ttcccttata
                                                                       709860
 tttggageet eetetagtte ttgcaaegtt teaaggaaet caattegtgg gaaettatag
                                                                      709920
 tgaggctaca aaccetttgt atatcgataa tttgaateta aattaccaet atactcaaga
                                                                      709980
actactitat aaagcagtcc cgtgtaatta taaatctata tatagagaga tacctttaat
                                                                      710040
tattttccca gaagtactca taggaagcac gccaacacaa tctactgagt gacgtcctac
                                                                      710100
ctaaaagcat aacaaagatt aagcaagact attctttgag tgacaacaag aattctgcgt
                                                                      710160
tactattggt tttcttcaac cttcctagca agagatgcat ggcgtctata gtagtaagat
                                                                      710220
ctgctatggc ctgacggaaa aggtagaccc tttctaattc actaggatga tagaggagtt -
                                                                      710280
cttcttttct agttccactc ttaattaaat caatagcggg gtaggttctt cgatctgaca
                                                                      710340
gacgtcgatc caagacgagt tocatattto cagtgoottt gaattottca aaaatcaott
                                                                      710400
cgtccattct ggaaccagta tcaattaaag cggttgcaag aattgtgagc gatcccccgc
                                                                      710460
cttcaatatt tottgcagca cogaagaaac gottaggttt gtgcaatgca ctagcatoga
                                                                      710520
caccccggt aagaattttt ccagaatgcg gctgaactgt attataggca cgtgctaatc
                                                                      710580
gtgttatgga atcgagtaga atgaccacat catttccatg ttccactaaa cgacgagctt
                                                                      710640
tetetataae cateteageg acetgaatat geetttetgg ttgttegtea aatgtegagg
                                                                      710700
caacaacttc tocacgaact tgccgaatca tatcggtaac ttcttcgggt ctttcgtcaa
                                                                      710760
ttaacaagac aataagaaca atatcaggat tattcacagc aatcgcgtgt gctatgcttt
                                                                      710820
ggagaatgac agttttccca gatcttggtg gggctacaat caatccccgc tgtccttttc
                                                                      710880
caatggggge ggtaagatet aagaetetet cagecaaatg atettteece atttecatea
                                                                      710940
cgattctttg attagggtag aggggggtca ggttttcaaa aagtacacgt tctttagctt
                                                                      711000
tatctggagt agatccgttg atcttatcta ctttcaatag agcaaagtac ttttcttct
                                                                      711060
ctttaggtga gcgtatcgta ccgataatcg tatcaccttt tttgagatca aatctacgaa
                                                                      711120
totgagotgg agaaacataa atatottoag cagaaggtag gtaattatag gttggggato
                                                                      711180
tragaaatre aaatregtet ggaaggartt rtaacarger ttracetate agraattrat
                                                                      711240
ctgggcgctc tgacttggct ttaacaatct caaagacgac ctgagacttt gttagagatc
                                                                      711300
ctatattttt cacaccgtat tggcgagcta atatattcag ctcttcaatt cccattcttt
                                                                      711360
gcagtttagc aatttttgta actgtgacag actcggcctc ttcagactca ctggcaacta
                                                                      711420
cagcacactc ccctacacaa gatttttcct gcatagaaac gtaagcatgt tttttcgttt
                                                                      711480
cetteacect aggeaagatt tetgaagaac getettettt cataatgete eetttaaage
                                                                      711540
gtaaaaatat tetteaattt tttgatgtaa ttetttttta gtteegttgt ttteaacaae
                                                                      711600
aacatctgct tgtgctaact tttcttcgac atttagaaaa cgcgaacacc tttgatcaaa
                                                                      711660
gtcttcagag gaacgccctg ttttcttcat gaatctctcg cgtcgaatat cttcgtttgc
                                                                      711720
cataacaagg atcactgaat caaaccactt agcatagtgt atttcgtata ataaaggcac
                                                                      711780
ttotgogaca aaaaacggat agttoccato ttgaatactt tgatgatatt gttoctcaat
                                                                      711840
aattcgacaa acttctggat gtagaatggc ttccagacct tgtaatagaa cggaattgta
                                                                      711900
aaaaactttg getgetatgg ettgegeate aaacgeeeca teaactacaa cateegatee
                                                                      711960
taaaagatct ataacacgac gacctatgcg tgtatgaggg ataaggaaac tatgcgaaat
                                                                      712020
ttcatcagca btaactacat aggeteccaa ttcctgaaaa acttggcaag cttcagtctt
                                                                      712080
cccagaagag agatcccctg taatggaaac ttttaataat tttaacattc tgcccaattt
                                                                      712140
tttccaatta agatattcac aactatagga acggataaag tcatagctga ttccatcttc
                                                                     712200
tototoacta gtotttgcat otottotatt tottottcag gaacctcaaa taataattcg
                                                                     712260
teatgtattt gtaataacat acgaetette atttgetgtt getttattge ttgtgaaata
                                                                      712320
totagoattg caagttttat caattoagoa goacttooot gaatgogagt atttacagoa
                                                                     712380
aaacgtcctg aagctgctct tgagccagga aattcattcc aactatcgat aattctttct
                                                                     712440
cgacctaaca tegtggteac cegtaaatet ttagetgett gttgtatagt ttetteaaca
                                                                     712500
aaatgagcaa tttcgggata acgagagaaa tatgcttgaa ttaactcttg gacttcgcca
                                                                     712560
atagaaattt ttaaaacttt tgccaaacca aaagcctgtt gtccatacac gataccaaaa
                                                                     712620
tttactgtct ttgcctgcat tctttgttct tttgaaacct gttctaaagg cacatgaaac
                                                                     712680
acttgtgatg cagtaaaagc atgaatatct tctcctgact caaaagcaaa ttttaatgac
                                                                     712740
ttatcttggc ttaaatgtgc taaaaatctt aactcaattt gagaataatc ggcagataaa
                                                                     712800
aaataactat ttttctcaga taaacgaaaa gccttcctaa gtaagattcc tcgttccgat
                                                                     712860
cttataggaa tattttgtaa attaggatet egacaageta atetteetgt cacageteet
                                                                     712920
gtctgatcaa aagaggggtg tattctctgt gtatgggaat ctacttgttt cggtaatgct
                                                                     712980
tttacatatg tggataataa tttttcaatc gtccggaaag ctaaaagttt ttcgataatt
                                                                     713040
gggtgctcac tacgtaaagc ctctaacacc tctgcacgtg tagattttgc cttatctata
                                                                     713100
gggcgaagac ctaattcgtt atataaaata tctgataact gttttggtga ttttatattg
                                                                     713160
aatggccttc cagaaagatc atagatttcc tctgtcagta cggctaattc tgtttcaaag
                                                                     713220
agggetteta aaatageeaa eteeteaaca tetaaaggea eteeagetet tteeatagag
                                                                     713280
aaaagaacct tetecaaggg cattteaata teacttaaga tatggttgag attettaegg
                                                                     713340
ttgatttctt ctaaaatagc gtcttttatt atgggaaggt aggcaacaaa ttcaccaaaa
                                                                     713400
tattgctcag gttgttctgg tagacgacct ataggcaatc ctgaatttcc ccattcctta
                                                                     713460
gcaaaccggt gagcagtttc tgtaaatccg tgatttacta aaagagattg aaaggagatt
                                                                     713520
```

			*			
tttcctcccc	catttgtcaa	gtgctcagct	aaagctaggt	cataagaaat	ttctcgaatt	713580
acaattcctg	catttagaag	agcgtggcaa	tcgcgtttta	gattataacc	atagaaagta	713640
agatcttctc	ttaaaaagaa	atcttttaat	atagggagta	tcttcgtgcc	ttcctcttct	713700
aaggcaataa	aaaatacccc	tgatccctgt	gtcaaagcta	aaccttcaag	cttcaaagag	713760
agaagatggt	ttcctgtata	tgctacagca	aaggcaatgt	ccccccttg	cacaaggttt	713820
aaaatgttgg	tgaggctttc	cgcatctttg	attatctgaa	catcgactgt	cgcagcctct	713880
gtttgcttgg	acggcacaag	agttttaaat	ccttgttgta	tataaaagtg	tatgagtttc	713940
	cagggtgttg					714000
ttagaatcca	agagggcaag	ccgtttacta	agctttaaag	tctcctgccg	ttcactcagc	714060
	ttaatccctt					714120
	gaagtgctgc					714180
tcagaagagt	ctccaactaa	cgctagataa	tcagggatat	tccctggagg	aatcccataa	714240
cgttctatca	cctcagagat	ccctacaaca	ccttgatctg	cccaaggatt	ccaagctaca	714300
	ttacaagctg					714360
ttctcttctc	tagccttctt	agcaatactt	gcaatcacat	cgtcagcttc	taccgactct	714420
ttttctaagt	aagctaggcc	tattaaagag	cagtactctt	taactagagc	tatttgtgga	714480
gggatgtctt	cgaattttt	ctgtcgatta	cttttgtaat	cagcataaat	cgcctgacgg	714540
ctttgtttat	tattaggacc	gtcaaagacg	gagatcatgt	attctggaga	gaattctttg	714600
ataagtttat	ttaaagaacg	aataaatcca	aaaactgctt	gtgttgcttg	tccttgatga	714660
tttttcattt	ctggcaaagc	aaagtaggca	cgaaagataa	atcctgaggc	atctaataca	714720
aacagtttct	tcattgcata	ttcccttcta	ggtctctcta	cagtgccaag	tagggaggta	714780
tgtatgcagc	gtcatgggat	aaaggcagaa	tatcgtgttt	aatcatgcca	gtaactaatg	714840
	tgcagctgaa					714900
ctctatagtt	atcttcaatc	ttacaaacag	caactatgtc	ttgaaggact	tgttctttag	714960
ttgcgcctac	aacatcaata	tagccttctt	gtttggcctt	ctctggagaa	aaaatacgtg	715020
ctccgagagt	gtgaactaac	ttctctttag	taagcagagg	acggttttgt	gtaactatat	715080
caacaaattg	tccgtagaga	aaatcaagag	tcgcttgccg	ttcttctcta	tcatgagaag	715140
tccacggtgt	ataaggattc	attggagcct	tatcttttcc	agctgtcagc	agatcacttt	715200
caactccgta	gcgatttaaa	ccttcttta	cattgaagaa	tggtccagaa	cgcactccga	715260
tagaaccgat	aagagaggag	gaggtggcat	aaattttagt	tgcagcgcag	gatacataat	715320
agcctcccga	agcacaaaga	ccattcacat	aaatataaat	agggaatccc	ttacgttctt	715380
	aagcatagag					715440
ccatatcaat	gacaatacct	ttgacacgat	ctttaagagg	agctttctca	aatccttcta	715500
aaatattctg	aatcgttttg	gccgtatttt	ttgaagaagc	aattacatct	ttcatttcga	715560
•	aatgggggct					715620
agctaacgaa	ggtagcatcc	ccatttccta	aagaggaagc	tatgagtgcg	aatataacga	715680
	aacaactccg					715740
	cgttttcata					715800
	cagaaaagct					715860
	ttttctatca					715920
	tacgattgaa					715980
	agagtagtat					716040
	aagaactagg					716100
	ttggtaaatt					716160
	tttcccatga					716220
	aaagaacgta		-	-		716280
	tagagccaga					716340
	aaaaatagtt					716400
-	accgacagtc					716460
_	agaaacgacg				-	716520
	actgtaaatc		_			716580
	ataggatagg	_		_		716640
	aaggtttcta					716700
	ctcttctgcc			-		716760
	ccgcctatat	-				716820
	cattacagag		_		_	716880
_	ccaataggag	_			_	716940
_	gtaaaaacgg				<del></del>	717000
	cgaaagaaca				agctcttgta	717060
						717120
					atcacagcaa tcccgaggat	717180 717240
					acaattccc	717240
					accagagtat	717360
	2~~33344				guy-cat	,1,500

					• •	
ctttcatgtt	tttcagcagg	r cagtagttaa	agccaacgaa	a aaacgctagt	agaaatagtg	717420
gaacaaactt	agaaaattct	: gatttataaa	taggacaaac	r atatocccoc	agcettgaaa	717480
agggtttcac	ttctgatgac	: tgcataaact	ccttcccaac	tttatggcgt	ataaagactt	717540
atagacattt	agtttacacc	cagaagacat	cgcatgctta	tagetectat	aatactggtt	717600
acttagcaaa	a cggcaaggca	. taaattaacg	atcacgataa	aaagagacto	cattttactq	717660
caacgcgccg	taaagttcaa	gcggttcgtg	gataaactta	taatccttgc	tcacaatact	717720
ttttcttcc	: gggttagcgg	agaaactgtt	ttttataato	cataattctc	tcgaggaaat	717780
atagaaaacc	: gagagccacg	agggggacta	gtccggtcca	aggaatttca	cccctacca	717840
tgacccctag	r taaaataata	aattgaacta	ctgtaaagat	cttgccccaa	aataaagagg	717900
Cataatcata	gcctttccaa	cctttaacta	aagaaaggta	gaacacaaag	gtnataagga	717960
acaagteteg	agcgcaaatg	aaaaagaggt	gtgctattga	taaggateet	tecatatada	718020
ggaccgrgat	acaaacgaac	acaaagactt	tatctgtaat	agggtctagg	attgaaccga	718080
gacgacttgt	cgctttatag	cgtcgagcaa	gatagccatc	taagacatcg	cttagcatag	718140
Ctccaacaat	agcaagtaag	cggatatgca	atttttcttg	gcagaagtat	agcgctagcc	718200
acaaacgtga	tagagaaagt	aggttgcaaa	attotctcat	aattttggct	aactagtacg	718260
accetttag	gaaccttata	attcggcccc	attatagage	atgctaaatc	tacaaacaac	718320
Catagagic	geteaaacgg	tttctcatct	tgcaactgtt	cggctctaca	ttgacatata	718380
LLaggettte	tttaaaaaga	atacgaaaaa	gggtgcgaac	tacaactage	ttgcgttanc	718440
aaggcagagg	ttattcggaa	agagagggat	tcgaaccctc	ggtacccttt	aggggtacgc	718500
greettagea	gggacgtact	ttcgaccact	cagtcatctt	tccttattta	ttcatcacac	718560
cctaacaatg	aattttgatc	tcactgttat	tgttaggata	ggttaactat	Cagaatgaaa	718620
aatgtcaact	tgtgcaaacc	tgacaagaaa	aaaggaaggc	aatctcttaa	aattcacctc	718680
Lyaactccct	atagatttgg	aaacttgcaa	taaaaggttc	tgagcagttc	ctcgaaaatc	718740
tututgagea	actagcactt	gagggatata	tgctagataa	cataacctat	ctagaagtat	718800
CCCaaacccc	cacgaattac	gaaagttcgc	ttctaatgga	caaatctact	ggtgtacctc	718860
CCCCCCCCCC	tcctcattcg	aaagaatcgg	aaatgatagt	tttaggttgc	atoctoacao	718920
gggtacatta	cctaaatctt	gcagccaacc	aactctacga	agaagatttt	tattaccttc	718980
aacacaaaac	tatttttcga	gtcctccaag	aatgccttca	agcaagataa	acctategat	719040
gillacilag	ctygagaaag	aactcaaacg	ggcacaacca	gattactgta	attagggggcc	719100
citiglatet	aaattactt	agccgaattt	gcaggtaccg	nagcctatct	tgaagaatac	719160
gragacatca	teegategaa	gtcgattcta	aggaagatga	tttctacage	aaaagaaatc	719220
gaaaaaagag	ctttagagca	gccgaaaaat	gttgccgaag	ccttagatga	ageteagaat	719280
CCCCCCCC	aaatcagcca	atcaacatcg	gtaagtcagt	acactttagt	tactaacaaa	719340
ccaegegggt	taacaacaac	tacagataag	ccttaccttq	tacaattaca	agagagacaa	719400
gaattattt	tacagaatgc	tcaaggagac	aataagtctt	tetteacted	catteceaca	719460
Cactttattg	atttagacca	gctgattcac	ggattttctc	cttcaaattt	gatgatetta	719520
gergeegee	ctgccatggg	gaaaacagca	ctcgctttga	atattocaga	gaatetttet	719580
LLLCadadcc	gcctccccat	tggaattttt	tctttagaga	tgacagtgga	tcagctgatt	719640
categlatga	tttgctctcg	atccgaagtt	gactctaaaa	aaatctctat	aggcgacctt	719700
ceeggceatg	actttcaaag	aattgtttcg	gtaatcaatg	aaatgcagga	acacactttc	719760
cicaligatg	atcagccagg	gttaaaagtt	tctgatctac	gageteggge	tentagaata	719820
aaggaaagct	atgatattca	atttctcatt	attgattatt	tacaattact	ttccggctca	719880
gggactttgc	gtgctacaga	aagtcgtcaa	acagaaattt	cagagatttc	ccdaatatta	719940
aagactcttg	cccgtgagtt	aaacattccg	attetttgte	tttcacaget	ttctccaaaa	720000
grigaggate	gggcaaatca	tcgtccgatg	atgagtgatc	ttcgggaaag	tagaagtatt	720060
gagcaagatt	cggatttagt	gatgttctta	cttcgtagag	aatattatga	traccastast	720120
aagcctggca	ctgcagaact	tattatagca	aaaaaccgtc	atggttctat	additioned	720180
CCCCCagett	ttgaaaaaga	actogcacqt	tttcccaatt	attemmetet	tasstatata	720240
agetagetga	ttcgcaatgc	gaatcagagt	Caagtagatt	ggacaateeg	atttatatt	720300
aaacccaaga	accagtatag	ttgtttggtc	ggctgaggat	agcaccatat	ttacasaasa	720360
acagegreer	catectattg	aaccagagtt	CCGCCGGaaa	aattcaaact	traatttass	720420
catyaayaat	cttegteact	tatgacgaag	gggatgtcaa	atcoatacot	taaccataaa	720480
gatattatgt	catctgttaa	gaagaaacga	agactcaaga	tegecaagea	caaccutaaa	720540
addayacgtc	gragagateg	tcataaaaac	aagtagtttt	tagtaactta	tataaataa	720600
CCCaattgct	tatgatgtga	ttgtagtggg	agctggacat	acadattata	addcadcata	720660
cegetetegea	aagatgggtg	teteegttet	tatoctcacc	tccaatttgg	atactattee	720720
caagiigagi	tgcaatcctg	ctgtcggtgg	tatcoocaaa	gggcacattg	ttccacacat	720780
cgargecett	ggtggtatta	tggcggaagt	gacagaticaa	tctggcatac	aatttcccat	720840
cccgaaccaa	accaagggac	ctgctgtccg	agcaccacga	actcaagtag	2122772225	720900
ctattatatt	catatgaaac	gtcttttgga	gaatactccc	ggccttcata	ttatocacoo	720960
cactgtagag	cccctattag	ataaagaagg	tataatttat	ggagtcacta	Ct a'a a ca a co	721020
ceggatgttc	tcaggaaaga	ctgtagttct	ttcttcaaaa	actititates	acaacataat	721080
ccacaccggg	gacegraatt	tetetggagg	acqtttaggc	gacccttcat	Cacaacott	721140
uccyyaagat	cttaaaaaac	gtggttttcc	tataagcaga	ttgaaaactg	ggacccctcc	721200

	cċgtttacta	gcctcttcta	taaatttttc	ctgcatggaa	gagcaacccg	gagatttagg	721260
			ccgagccttt				721320
			aaactaaggc				721380
			aaggggtagg				721440
			aagaacgtca				721500
			atgggttatc				721560
			ggttagaaaa				721620
			gcaatgtgat				721680
			agattaatgg				721740
						cttttattcc -	721800
			tcggcgtcat				721860
			caggaagagc				721920
			actatggtta				721980
			accagctatt				722040
	atttaggcag	tacggccagt	ctgtagtctc	tttagcaaaa	gcactatctc	gtcctgaagt	722100
	ttcttatgac	atgcttagag	aagcattccc	aaatgatatc	cgtgatttag	gageggttet	722160
	caatgcctcc	ttagaaatgg	aaatcaaata	ttctggatat	atagategee	agaaaattct	722220
			ccgagagttt				722280
	gataacagcc	ttaagcttag	aagctcaaga	gaaattagcg	aaatttacac	ctcgaactct	722340
	tggttctgca	tcgagaatat	cgggcatagc	ttctgctgac	attcaagttt	tgatgatagc	722400
	tttaaaaaaa	catgcccacc	actaactgta	ttttcctaga	tttacgggga	cactctattc	722460
	ttcaccaact	gcaaattgaa	gaggctttac	taagagtcgc	gaatcaaaat	ttttgcatta	722520
	taaattcagg	tgccaaagac	tctatagttt	taggaatttc	tcgaaacttg	aatcaagacg	722580
	ttcatatttc	tagagcacaa	gcagaccata	ttcctatcat	acgccgctat	agtggaggg	722640
	ggacggtatt	catagattcc	aataccttga	tggtatcttg	gattatgaac	agttcagaag	722700
			ttattagcat				722760
			gaaaacgact				722820
	atgcacaata	tattcaaaga	catcgctggg	tacatcacac	gacatttctg	tgggatatcg	722880
	acctagataa	gttgtcctac	tacctgccaa	ttcctcaaca	acaacctacc	taccgtaatc	722940
	aacgctctca	cgaagaattt	ttgactacgt	tacgtccttg	gttcccctct	cgcgatgact	723000
			tctggtagtt				723060
	aatgagctag	aagaaattct	tgctcaacct	catcgtaaag	caactacagt	actaaactaa	723120
			aacaacttct				723180
			agatccatga				723240
			agcagcttct				723300
			cccttccaat				723360
			aaaaggacgc				723420
			cattttcata				723480
			atgggctttg				723540
			atatctcctt				723600
			gtctagtcct				723660
			aaagaagatc				723720
			tttgaataac				723780
			tgtgtttggc				723840
			agctcaacca		-		723900
•			cgaatatctt				723960
			gcgagggcta				724020
			tcttctcgag				724080
			aagacgagaa				724140
			gcaatatggt				724200
			agtgttccac				724260
	caaagagggc	tacgcgctac	atgagtatga	catatagcaa	gtgcaaaggc	atcagcaata	724320
	cctcattcg	aagggtgcaa	aacttcggga	acatttagaa	tcttgcttac	catcacctgg	724380
			accettaccg				724440
			acgctgagct				724500
	yctaatttca	Lagtactttg	aggattetta	tttacaaatt	gcgtttctag	gaccatagca	724560
						atagcgcata	724620
						taattgatag	724680
	atcacttctc	aggatate	ggcatateet	ycyactatcg	LCCTggatc	cacacctata	724740
			ttcctgaaat				724800
	actatttaa	acagtestes	ctcaagtagt ttactacgta	gaattettee	ctcccagaaa	adaatttcct	724860
	tgagaatact	acatctactt	cacteteaca	ttettteeet	aaaactcott	tcaaatgatc	724920
						gaagctgaca	724980
				a		annanchaca	725040

atattgatee teaacaatat ettggagtaa ggetatgget ttetttttt cagetagate 725100 ggtttgcacc totgttaact totcaataga acaaacotca gagotagttt gagotootto 725160 ttgtcgctgt aatttttctc ttaacttagc aatctctgaa tgatatgttt ttatataaat 725220 atctttttct tgttgcaaat ctataagact tttcttcaaa cggttgatct ctgcatatgc 725280 ggctgaagat ttgtcttctt ctatctctat agagggggct ccgtgttgcg aaacataacg 725340 ctgtagttgt tcttccagct gtttaatttt atgctcatag cataaacgac gcccttcact 725400 aatttetgtt egetgtacae tttgaageag ttetttttt atetegtega taatateaet 725460 ttggtgtcga atttgttgta atttctcagc aaggcgattt tgcaaccagg tattttcttg 725520 ttgtaacttt tctaaatctt gatttttagc ttcttcacga cggcgatatt cttcttccaa 725580 agcagatage tgttcccgat actgtaagtg aatacgttca tgctcctgat gacaagagte 725640 ttgggtttcc ttctgcaaag aaaccaactt tccactcatt ctgctacaga ctcctgaaag 725700 aatattgcaa atctgctgcc attccataat atcagcatct ttccagcgac aaagcaaatg 725760 aagcatggaa cgggagcatg aatgataata gtgaggggat aatgaactgg aagatcgtag 725820 cgagaagaga tgcagcttaa gtatagataa gagccgcaca gagtacctct aaaattaacc 725880 taatcattca tcgtatagca tacgactgag ttcttgtcct aattcgtcat aagtgacttt 725940 taaaaaagaca ggcaacttat ttggataact ctacagatta aaaaacttag aaaattgctc 726000 agaacaagac tegaacttge aegggeetae geceaaggga ttttaagtee etagtgteta 726060 ccattccacc atctgagcac gaaaagacag tctgttcaga gaagccttca attaaaaggc 726120 gtgttcttta aagatgatct ttttccataa ggatagaaaa ctaaagaaca tcttatcaca 726180 gttttttttc tagatcaatg atttttcaaa aaagggaaag gtatgcctta agttaaagtg 726240 aacttaaacc atacctttaa aaatagctat tettettetg tagcagaaga tgtttegggg 726300 aagaacattg cagaagactc ttcaaaagaa gctgaggtag gttcctcttc tgtctcagga 726360 aaatgtatag catcatctgc cgatagcaaa gcattgatga gatcgctgct ctcacgaacc 726420 aaagettgta aegaetegtt aagateegea gaagtaaeta etggatetae aacagtttga 726480 gagataactt cggagatcaa ctttgctggg ggtggaagta aagaaaactt cttctgttca 726540 acaatctcat tttcttgaga ttcttcccaa agctcttcct taacagtatc caagatttct 726600 tgagatgete cagttactte agcaatetet ttatgattte tacgaegget gagetttte 726660 ttttccttcc acttctcccc tttaaaggaa tctttccttg cctctttctt ttcctttta 726720 ctaggagatg taggeteggt teetteetet gggetateag etagaggett eteateaate 726780 acaggaagcg gagtcgattt ggtcaacttg attagagctt ctctaccacc agcaattttc 726840 actccacgat ctaaaccgac agctttcaaa ttgattttag tatcacggac ttccataacc 726900 tcatagtete eggeagggae taaaaaaggt ttactatgat cacagttaeg gaaaaaacaa 726960 atattteeta aagagateae ttetataget teaaceataa aaggatettg tgaaaaatge 727020 tttgtattcc ttaccgacaa cttatacccc tctcgagagg taattacagt ttctatgacg 727080 gggtctcttg taaaatacac gtaattataa ccttttcatt tagagttttt ttctacatac 727140 totaataagt ctactatacg cgtggcatat cctgtttcgt tatcatacca cgcaactaac 727200 ttgaagaacc gatcattcaa agcgatacca gctagagcat cgaatatcga ggagtactca 727260 gateetataa aatetgaaga aaetaeetge teatetgtat aatetaaaat geettttaaa 727320 tcagtttctg aagcetgttt catagetttg caaatgtcat egtatgtegt agaettatet 727380 aacctgacgg tcaagtcaac tacagacacg tettegatag gaaccegaaa agccatteet 727440 gttaattttc cctttaactc gggaagacat agagttacag cttttgcagc tccggttgag 727500 gegggaataa tattttgtaa acateeaega eeteetetee aatetttett agaaggteeg 727560 tcaacaacta gttgagtagc agtagcagca tgaactgttg tcatcaaacc ttctgtaatt 727620 ccgaaattat ctagtaaaac tttagcaata ggagctaaac aattcgtagt gcaagaagca 727680 ttcgatataa caaagtcttt ttctggattg aaagtcttat ggttcactcc cataacgaaa 727740 gtaggaatat caccttttcc aggagcagag attaagactc gtttcgctcc agcttgaata 727800 tgcttctcag catcttcttt ttttgtgaac aatcctgtac attcaataac gagatcaacc 727860 cctaaatctt tccaaggaag attttgaaca ttgcgttcag ataaaaattg aatttttctc 727920 ttcccaacga tgaggtggtc cgcttcacaa cgtacatcct caggaaaacg tccatgtgta 727980 gagtcgaatt taaatagata ggtaagcgca tccccaggaa caagatcatt aatggcgagg 728040 acttctactg aagagtttct ctttaagatt tgtctaaaaa ctaaacgacc aattcgcccg 728100 aaaccattaa ttacaacttt catcgcttac cctcagagtt caataaattg gaaattgatt 728160 agetttaget agetaaaaac tetataatae aettttgage attateacea agttetattt 728220 tgcagtttta gaatacgtgt gtaaccacct tttctttcta caaaacgatt ccccaactca 728280 togaataact tattcacaac caaacgatcg acattatata cagaggtgtc tocaccttta 728340 gcttgtcgag cttctttgct tgttaattta ttgtatctga ccataagccg tccaatagct 728400 atacgtcgtg ctgctaagga gtttttttta gctaaggtaa tcattttatc agcatgtcgg 728460 cgtagttctt tagctttagg caaagtagtc tcaattcttt cataatgaat tagagacttt 728520 aacatgttag ctaacataca gcgattatgc gaggaagtac gaccaactct aaatttttt 728580 ctagcgtgtt gcattactta ctatcccttt atatttttag cccgaatctt ttcggcatac 728640 cacttcattt tttcttttac gttatctaaa cctacgccaa attgcgttag gtccattcct 728700 aattcaagct tcatttcttt caatttattc ttgatctcac acagtgattt ctttccaaaa 728760 tttctgaatt gtagcaatcg aggttcaggc ataataacaa gttcgccaat agtctcaata 728820 tttgcattag acaaacaatt tgttgatctg actgagagtt ctatttcatt aattcctaaa 728880

attaacttat gaagaata	tc atctttgttt	tctttctcaa	tagaaatagc	ttcttcaaat	728940
acgattttct tctcatcc	at attttcaaaa	atggaaaaat	gtttagtcaa	aatttgagtt	729000
gaaaaagcca gagcttct	tt cggagtcact	cttccatctg	tttcaactat	taaaactaaa	729060
cggtdaaaat ctgtatcc	tg acccacccgt	gtatcttcta	caaagtagtt	gactaaagtg	729120
actggagaaa aggctgca	tc caaaacgatt	tcataaacac	ccttatcttc	caaaacaatc	729180
ctttcagaag gtgtatat	cc cctaccaaaa	gcaattcgta	gatcgacttc	caactgtatg	729240
ggttgagtaa cagtaaaa	at gacttgatct	gggttaacgg	cttcaaagtc	cccttcttgc	729300
aatagatett gtagagte	ac ttctttttgt	ccattagctg	cggctaaatc	ggaagcatct	729360
atagaaattg aagctttt	aa gacctgagtg	gttcttccta	aagaactatc	ctgcatgggg	729420
tactttttta atagggca			-		729480
ccttcgattg ccatatat					729540
gagettetaa accaataa					729600
ctctttctag aggctcag					729660
gcaacatttt aactgctt					729720
ctgacatccc tttctcct					729780
attatgagga acaggagt					729840
agcacgaaca gcagactc		-			729900
taaaccagag ttcatggc			_		729960 730020
tgaagatttt nttgaacc	<del>-</del>	<del>-</del>			730020
accagcagga tctgttat			_		730080
acctgaagga atattttt					730200
tttaaccaaa acacgact tttacctttt cgagtacg					730260
tctatctttt tgagtacg					730320
acgacgtcgc aaatcccc					730320
tacttcttct tcagttaa					730440
gatttcatca gaacgagc					730500
tttctttgca ggaatatc					730560
agtataagca tcttaggt					730620
ttttcagcac gctatcgt					730680
ctaaaacgac ccctacga					730740
aatccacacg aagcagac					730800
acgctcctaa aagggtca	ca cgattcattg	tatactctaa	gtaatgttgc	gtaggettge	730860
cctgacgtat gccaggaa	ta aaggcattat	ttttttcat	ttcagaagca	atttgttctg	730920
gatgaaattg tgtggctg	tc caaaagtatg	taaaaaatat	aatgagcaac	acataacata	730980
tagaataaac taaactgo	ct ggagcaagta	aagctgctat	acgcttcatc	caagaagact	731040
ctgacgcaat aaactgto	ct atagttgctg	ggaacatcag	tagcgaggaa	gcaaaaatca	731100
caggaatgac gccagcat	ag ttaactttta	aaggaagata	ggaccctcca	ccggggactt	731160
ctcttcttcc aattaccc	tt cgagcatatt	gcacagggat	ttttctcact	ccctcgataa	731220
tcaaaatcgť agtaatca	_				731280
gacccaaatc agaggagt					731340
cagaaggaaa tgaggata	iga attccaaggg	cgataattaa	acttatcccg	ttcccaatcc	731400
ccttatcgga gatctgtt					731460
caactgtagt gatataaa					731520
gcagaacaat ccccggaa					731580
.actgtattac agctaaag					731640 731700
cttgatcaga agactccc gaacgataat tgaggctg					731760
caaaagcgcc tccagaaa		_		-	731700
actgcttgaa gtaagcta	-		_		731820
ccactctaca ggccgtaa					731940
tcagaaaaaa ttgtctca		_			732000
tgcctagcaa attttgta					732060
tettttecaa ateteeti		_		_	732120
tctttgcttt taatgcat					732180
gtcctgtagt aatttct					732240
gaactcttct atataaa					732300
aacggctacc gtctcct					732360
cacgacctaa taatttt					732420
taatcattta tagccgc	· ·				732480
gctttaaacg ccgcttt					732540
atatctttaa taccagc					732600
gttccaggtt ttgctgg				-	732660
tgaggaatag aaccatc	ttc taaagcttc	: atcttcatta	aattctttt	tgcagcttca	732720

ccacctttac	gaatggcatc	: tgtgagttca	ttggctttag	, caaaaccata	gcccaaacga	732780
CCCCCgccat	ctectactaa	ı aattaaagca	gaaaaactga	actttcqtcc	tcccttaaca	732840
actttggag	: aacggttaac	: aacaagaact	ttctcttcta	attgatette	tttargagaa	732900
ttetttgata	gcgacatctc	ttcctaaacc	ttcattaaaa	ctgtaaacca	coctetetad	732960
ccccatcago	: taccatagaa	acaattccgt	gatatttgaa	aggaccgcga	tegaaaacaa	733020
ctcgatcaag	, ttgaaggttt	tttcccaatt	cagcaattto	agttcctaat	actttagcaa	733080
culcutggtt	ttttttagtc	agaccttgac	tcttattraa	ttttgataga	ataassaaa	733140
gaagccaacg	tcttgccgat	agaatcgtct	atcaactgta	cataaatato	tttatttatt	733200
ttcactacgg	n acaaacgagg	ctttgtaggg	gaacctttaa	tactttacgo	actorcasar	733260
crettegtet	tttcattaat	gactttttac	ataacgaact	ttccataacc	ctcgacctat	733320
littigeetg	ttttcgcagc	tttaccagct	ttacgacgga	catattcatt	ttcataacca	733380
acceettae	ctttataagg	ttcaggagga	cgtttaacac	gaatacttgc	accesattca	733440
ccaaccaact	gcttatcaag	ccctttcact	gaaatcagag	tattttttc	aactdatacc	733500
tyaayagtag	atgggatagg	aaatttttgt	agggtgagaa	accccaatgg	agagarccaa	733560
aaatgcacct	tgaacagagg	ctctgaaacc	cactccaatc	atttctaaac	otttttcaaa	733500
tectaaatgg	acaccttgaa	ccatatttga	aatgagcgcc	caatataacc	cctgcataca	733680
gctaggtcta	tcgacaacat	ggggagctgc	gtgtacaaat	atactottat	cttttaaggt	733740
gatttctact	tctttgaccg	atttctgtgt	taaggaccct	ttaggacctt	ttacaataat	733740
tttatcatct	tgaatcgaaa	cttctactcc	ttgaggaagt	agaataggtt	ctcaaacaac	733860
acgagacatg	ctttaccgtt	cctatactta	atcctottac	cacaccaaac	acaccaatto	
gcccccaata	ttcttagatc	tggctagaga	accttccata	actccctgag	agagcaaccc	733920
gactgaaatt	cccatatttc	caaagacgta	agggattttc	accecegag	Catagagag	733980
tcgagagggt	tttgataccc	gtttcagttg	gtgtattact	gengeegnen	Catagactet	734040
ttgtaaaaac	acacgcatag	cgcgtttgcn	gtttncttcc	tntactaaat	arcoggadia	734100
aaaaccttta	tgcttgagga	ttttacaat	agestatege	atttactat	aatgagccac	734160
tacatacaga	tgttctgcca	tcaaagcgtt	acquartcqc	atteaces	getetaegte	734220
atcacttoto	atoccatat	agateettt	CCtCtttatt	greattest	ctgctataga	734280
cccatcaact	ctaatagagt	ggtgcactca	tcatctcttt	gagetteett	aaatcgtaag	734340
atattcaatc	cctagataca	cttcacacga	tctaaattaa	tttataaaa	Lacecatgtg	734400
tcgtctaatc	ctacagaata	gcaacccctt	CCCTCTCCC	tattagagaa	aatttgttga	734460
tegegaatee	gtggagaaac	aatattacag	aaacgatcca	tactagaaaa	tccgcggaag	734520
ccacgaaggg	taacttttgc	accgattcct	tracettete	caaaatcgta	catacgaatt	734580
gaatttcgag	cttttgttac	taacggtttt	taccasasas	gtaatttaaa	accggcaata	734640
tagacttaga	ataaatttt	atctttagcg	acttanana	catggtcaa	ttcttctaag	734700
tttttaagaa	cagggatetg	cattttattt	gccccagcaa	greceatact	taagacaatt	734760
cgaatttctt	cagtatagaa	tttttttaat	ctactactact	acttttcaaa	caaagatttg	734820
tagacgatac	agctgggatg	tttttttaat	acatatttaa	Lagecttet	ttcccctcac	734880
agtcactttg	acadadadtt	ttccgtcagg	3cgcccccgc	cacaactccc	gcccctgttc	734940
atggatagga	acctetatac	tggcaggttc	accagetatg	gttaaacgta	cattagaaat	735000
attttttaro	caacattta	taatccgttt	acciliagga	tttgttgac	tacgttttat	735060
ttttccttct	tttcctttat	caccttcgac	aactacttta	tetteagtaa	gagaaaggac	735120
atttacttt	ttcataactt	cattaccage	Laatataaat	accttatcac	caacacgaat	735180
ttataaaacc	tetatatea	ccttctcctt	adattacctc	aggagctaaa	gaactaattt	735240
gatttccttt	ntantanta	atttctcgag	ctacggggcc	aaaaatcctt	gttcctttag	735300
CEEEECEECE	accategata	attacacagc	tatttgtatc	aaattttaaa	gtagacccat	735360
tttatagaag	tattageega	cgtgtgcgca	cgatcacagc	tttgataacg	tctccctttt	735420
gcataacgtc	taccaggice	gacatctcta	actgagcata	caatgacatc	tccgacagta	735480
ttatcccca	cacgagaacc	tccaagaacc	ttgaagcatt	ttacttttt	agctccagta	735540
ctaacttaca	cittaactg	actttcttgc	tgaatcataa	tctctatcta	cctaatgttg	735600
tatttattas	acyccaacat	gttctataac	gcgccatctt	ttaagcttag	acaaaggtcg	735660
tttctttcaa	attitaactt	tatccccttc	agaaactttt	agttcagtgt	gagcgtaata	735720
aacaaccaaca	CLLCLCacta	ctttaagata	ctgaggatga	gaaaatatcc	tttctactcg	735780
aacaacyaca	gttttttcca	tttttgccga	gacaacaaca	ccaatcttaa	cttttctaga	735840
gectettggt	tcactagcca	tggactttac	cttttctttc	ttgttttact	gttagagctc	735900
gagcaacacc	tttcttatgc	gtagaaaaca	tatgaacttt	cacaactttg	ttttgcagta	735960
aattttctge	tcttaaagca	aacaaagcct	ttttattttc	atgaacatac	acatataaat	736020
cgregreger	tttgcccctt	aactgggtca	ataaatcctt	ttttagcage	catotttata	736080
CCCCCCCac	rcgcttaaca	aaacgtgttt	ttattcctag	tttggcagca	actettees	736140
gggcatcttg	agcatcttct	ttagagacat	togotactto	aaacaatata	catactar-	736200
gaactactge	cacccaatga	tctggggccc	ctttaccttt	accoatacga	atttataaaa	736260
gererege	tacacttttg	tctggaaaaa	tacqaatcca	tacttttcct	C03005555	736320
aalalclatt	aatcgcaacc	ctgcaggctt	caattttacg	actortoacc	2300000	736380
caagagtttg	cattgcatat	tctccgaagt	ctacaaatgt	adctccctta	Cttaataata	736440
caaactytee	untitgitge	ttacgaaatt	ttattcattt	aggcattaac	3+33+35+4-	736500
actcatcctt	atttacaact	ttaagcagct	gcagagggtg	ctgccggatt	gttaggagtt	736560
					22 344	3000

gtagaagagg a	agttetetee	aagattaatc	caaactttta	taccgataat	tccgtaggta	736620
gtttccgcac a	aagctgtagc	ataatcaatg	tcagctctta	gcgtatgaag	cggcacacgg	736680
ccatttttat a	accattcaga	acgagcaatc	tcggctcctg	ctaacctgcc	tgaaacttga	736740
atttttacac (	caacagctcc	agcatccatt	actgattgca	ttgccttttt	catagcccgt	736800
ctaaaagaga d	ctcgacgttc	aatttgtctt	gcaatgttat	cagctactaa	ttttgcattt	736860
agttcgggac g	gtttaatttc	cgcgatttct	aaccagactt	cttttccggt	aagagctctg	736920
agctcttctt t	taagcagatc	aacttcagcg	ccttttttc	caattaccaa	cccaggacga	736980
gcggtttgga t	tggtcacttc	aattttacca	ctcatacgac	ggacaacaaa	tçcagcggca	737040
ccttgacatg a	aaggttttt	tcttaaaaac	tgtcgaattc	ttacatcttc	tatgagaaat	737100
ttaccaaatt d	cttgtttatt	tccgtaccaa	agagaacgcc	atttttttgt	aacccctqta	737160
cgaaatccga t	ttggacaacc	tttctgaccc	atgatectte	ttccctttta	ccattccttc	737220
tcaccaacaa t						737280
ctttttgatt t	tagategett	gtagacaggc	ccggcatcta	ctcgaacttc	ggtaacgctt	737340
aaattttcac	gctttatatt	ttcatgcaat	tcagcattag	ctacageget	atttaaaacc	737400
ttttttaaac a	atcttccagc	tttcaactga	gaaaatccca	actatteete	agectettge	737460
acacttagat t	ttctcataag	cccagcagct	aatctagctt	tacgaggttg	tacccgaata	737520
tatcgggcgg t	coctttaaa	catoctatot	ctcctttaga	ctraccett	cttcacacca	737580
tggcttttaa a	atateettet	gggagaaaat	teteetaatt	tatgacccac	catactttct	737640
gaaacaaata d	coottaaaaa	tttcttccca	trargaactt	caaacotato	gacastasta	
tcaggagtaa t						737700
ttcattgcac g	reactititi	taggagactag	tratcaacaa	aggettett	tattagene	737760
ctactcataa t	ccttatttc	ctaccatctt	taacaatcaa	tttattatt	tettaacgat	737820
ctactcataa t	rastcoctto	ctacgatette	caacaaccca	cuattactt	ttgttcttgt	737880
cacgtgtttt t	aatcccccc	graacette	cccaaggtgt	acgtggaata	taaccattat	737940
ggcgaccttc t	ccaccaccg	rggggatgat	ctacagggtt	cattgcagta	ccacggactg	738000
taggacgaac t	cccatccaa	egtettette	cagetttgee	atctacacgt	aggttgtgat	738060
cggcattgga a						738120
cagaaggcat c						738180
cagcagatct t	acaagettt	ccacctgaag	aaggacgcat	ttcaatatta	tgaactgaca	738240
atcctaaagg t	atgetttt	aaagtcatac	aacatccagg	cttaaatgga	cttccttcac	738300
ctgaaacaac a	acgtetece	ctttggatgc	ctttaggggc	gagaatgtaa	cgtttttctc	738360
cgtcttcgta g	gcttaagaga	gcaatgtatg	cagaacgatt	aggatcgtat	tctacagtaa	738420
ctactttcgc a	agtaatccca	tctttattac	gtttgaagtc	aacgacccta	tacaattgtt	738480
ttgctcctcc c	gccacgatga	cggcaggata	tatggcctaa	attatctctt	ccaccagaac	738540
tcttcttaaa g	gaaagagagc	tttttatttg	gtcgaagact	tctttttgac	ttcgtaccgc	738600
gcaactcacc a	acgegttgtt	aactcatcaa	aagcgggaag	gaccagctgt	ctagttcctg	738660
gagttactgg t	ttaaatttt	ttaaacatgc	tgtttatctc	tctaataaat	tatccgacag	738720
agtgcccttg a	atagaaagtt	acaattgctt	tcttaaatcc	tgaggttttt	cctttacggc	738780
gccctcgaaa c	catgcgggcg	ggttgaggtt	ttacatttat	ggtgttcaca	ctctttactt	738840
ttacatttt a	atcaacgtaa	attgcctcta	aagcttgggc	gattaatggc	tttgttgcat	738900
catgagagac t	cataaaaaca	aatttagggt	ctttacaaaa	gcttcccttt	ttctttccct	738960
ctccagttcc a	agcgcttaaa	tgctctaaca	ttttagcttt	ctctgttacg	tagtgacgct	739020
taattacatc a	ataaggatct	ttcatatcct	aaaattcctt	cttaatcttt	cgtttcagaa	739080
acaagacgct c	caacaagttc	ctgcaaagct	tttttagaaa	taacaatatt	atgagcagaa	739140
gctaagtcat a	acccattgat	attgattcca	tagacaaaac	ccttaactgc	agtgaggtta	739200
cgcaaactta a	atcttaaatt	ttcattcttc	tctacatgat	ctaagtgatc	aataaagaga	739260
atgctacgac a	actcaacatt	gcaatctttt	aaaaacctta	acgctgactg	agttttagga	739320
gctgttaaag o	catctacaaa	gaccgtatcg	tcaactacag	tcaatttgtt	tgtttgaatt	739380
ttttgcgcca a	acaaaagcct	gattgcggct	tttctttctt	tacggtttat	acqtacqtqt	739440
tgattaaatt t	taggcttagg	cccaaaaaca	atcccacccc	cacgaaactg	aggagaaget	739500
aaacatccct g	gacgggaatt	acccgtacct	ttttgtttga	aaggttttt	totagaatga	739560
ctcacttcag a	aacgatttct	agtqcatqca	gaccactgtc	ttttattcgc	gcgaatagca	739620
acaatataat o	cttgatcaa	ttgaaggcca	tcgccctcat	ctgcaaacaa	agagtetget	739680
acttcaactt d	cgcctatttt	atttcctgaa	aaatcaagat	tttgataata	aaaccattac	739740
gtcctctctg t	tatcacccct	gtccgtatcc	taagttctag	aagaatgttt	cactataece	739800
atagagcctc c	gegetecada	aatggcacct	ttaactaaca	gtacttttt	ttctasstct	739860
acttttatta c	cttctaaatt	ttttacagta	acgttctctc	cacccatata	actaccaccc	739920
ttacttccag c	rgaaacaacg	accaggagte	gategratte	ctatacaaca	tacatasas	
tgaaaccctg a	accatoget	tectagagee	CCACGARARA	Caaatttott	catonanes	739980
tgaaaacctt t	ttccttttga	aattccacca	acatcaactc	addatttttt	ttcanna	740040
tccaatccaa a	aggatotoc	caaaracacc	ccattagese	cetetteses	acctor	740100
tctttaagaa a	accasasac	transcare	actttacce	aatotoooo	tttaggact	740160
ctaacacgtt t	tataattat	atgaccacca	gottlatgea	aatyteegag	tattt	740220
gagaaatatc d	rateacttte	cttactttt	ateteette	annath ==	chartegeaag	740280
attactgage :	aarcaaccaa	createrates	ttatasasas	tatanatas	cccaacgcga	740340
attactgage a	auguaucuaa	gyarddaldt	ccaccadaga	cycyaaccat	COCCECCE	740400

****						,
tttcccatca	a cactaatato	agaccgcata	aacttatcca	ttaacaataa	tgatttgctt	740460
receiving	i ggaacaaaga	aacaaatctc	r cttagtattt	: tacttatcga	attetetasa	740520
aagaaaagga	aattttccct	: taagaaaata	aagggacago	r ttatcagagg	r dddaadattt	740580
LLacaalage	, addagtactc	: taggtactaa	gaactcaaao	r ataaaagatt	cttocaaaat	740640
ccctatttat	. ayaaatagaa	agregetted	: aaaaaatttt	ttagaagcga	cttctttaaa	740700
acaaagacaa	. aactagctta	tttgccagac	: tttgtttct	gccatatoct	atataagcca	740760
acceergegg	, argergeegr	caaggctcca	gaaattqcaq	Cggaggaagg	Cactotaato	740820
ggtaaaggaa	lugayittgac	tccatccact	accaactcta	aagettttte	AACRACRAC++	740880
adadatttt	LLECTagage	agcaacgtqt	tctttacqta	atgccctttc	COCCCCTT	740940
accacgicec	cactcaactg	agattgttgg	ttttctaagg	cacatetete	attotataco	741000
gatteetteg	cacguttgaa	cagcttttgt	tctaatgcga	ttcccccaac	adcaccadca	741060
acticitigeda	Latgattaat	ggtcataatt	ccagcaacag	CCGtgccaaa	attocctaca	741120
gregerrege	ctaagaatgg	ttttgctgtg	agtttattga	ttaacattaa	Cadacatass	741180
acaccgaalg	tegetgagta	agtcgttgca	ccgactgccg	tacaagette	cctagaaget	741240
gccaataggt	aatcacctcg	agttaatagc	attttactat	actececage	catttttct	741300
cecettegeet	Lycttcctaa	ctcgaaggct	tgacgtgtgt	attograaca	CCTCTGagtc	741360
gagilaacga	tagatggaac	agctccattg	agcacattag	ctaaggcaac	aacttctcca	741420
grigitita	acataccctg	ggcgtttctc	gcggaggtca	atgcgtcccc	tatacataca	741420
geetetteea	gcgatcctac	gacacagtca	gaaaccgcct	tacttagett	aaaggattta	741540
tctaaacttt	ttgttgccc	tacaaacttt	gctaacttat	Eccagggtt	tatasasas	
ttgttgaata	caataaatcc	ctttctgagc	aaaggaggtg	acadecdeta	ortetttaa	741600
aactggcagc	agcatcttac	ttgctgcact	tectaceat	ctaattqcqt	tagtagagat	741660
ttttäcctcc	ttacaaggct	ttttaaaaaa	aaattagagc	Ctataataac	atanage	741720
ttaatttagt	ttaaatgccc	taaataaaaa	acacottora	aanttaatta	ataaaacgac	741780
aaactatttt	taatttettt	gctggatagc	cotttaaaaa	adgitaatta	ttaataastaa	741840
ccttgccttc	tacctgcact	tcgtgcaage	aaatggctcc	ctcacaaca	cccgtagaac	741900
gctcttgcct	atctgttaca	acaacagtee	cadagactcc	atatettees	gcaatagcaa	741960
aaagagaggc	cttacggatc	atcaagcgtt	ttaacacttt	ttananna	geetetgeta	742020
tccacgctcc	tggagctggc	gtgactcctc	gtatatgagg	ataagaaaaa	gagaataggg	742080
tatcccaagg	aacctgtcct	tottoottag	acaattttaa	acaageetet	ttagcaggtt	742140
catcttaact	gacgagttgc	agttgacctg	actonattte	cgctattgtc	gccaaagcag	742200
cttctqcqcc	ctgcgatgca	agaggatccg	CCaattatag	tanaagtt	tttattagaa	742260
tggggacacg	cgtaatattt	agageaeeeg	Ctatatacat	Lydaytcata	tcaggaccta	742320
cagtatttcc	agattctgta	actecttees	taatagagag	acctgcatcc	atacggatga	742380
ggtaggctag	caagaggggt	gcatacagat	tatasass	ctgtatggga	gctgcgcctc	742440
ctatctgacg	caagagccct	ccatagggac	cgcaacaacc	acaacgagga	atatcgagga	742500
gaagttette	aagaatcgct	agatetasea	ccacaacaaa	aacatcagca	ttaaaagccc	742560
gagttagage	aataaattgg	actoraca	critactagg	ttggagtaaa	ggtagaccgt	742620
tatcaactcg	tatagttttt	actggagaag	gaatgagttg	tgccgatctt	ttttggggct	742680
caataactac	ggtaacaaca	gtgcgtaattt	ggattttgtg	atgcaacaaa	tcttgcaaaa	742740
tetttateta	aaatgtgggt	ttannament	agacaacctt	aagattcaat	caaaactcct	742800
ttacttqqq	cgctttcttc	ctcaagggct	rgertateta	tgcttcgttc	gatgccgcgc	742860
tctagagttt	tttgacaaaa	ttannan	TTTTTTACTE	ctggaatgtc	tccatattct	742920
accttaataa	cttctagaga	cccaaaaaaa	catecgteag	cacgataaat	ctttttaaaa	742980
trastaccac	gggctaatcg	cgtagcaaaa	ggaacctgcc	tacgttgtag	tcctacttta	743040
ccaatcccag	cgagttggta	agggtttcca	cttccaatgg	tatagggagg	aacatcacga	743100
CCARCCATC	tgagggctcc	taccatagea	tgcgctccga	tgcgaacaaa	ctggtgcact	743160
taattaatta	caccaagaat	agcgtaatca	ccgacttgaa	catgtcctgc	aagttgtgca	743220
ataatcaaa	gaacgacatt	acttccaata	gtacagttat	gggcaacatg	agcccagggc	743280
atagecaaac	aattattccc	gatagagact	gttgtacctt	cgaatgttga	agacgtgatg	743340
tactttaast	ctcgaatttc	gcaattttca	ccaatagtca	cataggtttt	ttccccttga	743400
caccicaaai	crradadarre	attaccgatc	attocadado	accatattat	tataaaatta	743460
cctatggttg	Lategecate	gatatatgcg	taggacttaa	Caacaacatt	atcacasaca	743520
gctaccgtag	CLLLLataac	aacgtacggt	tcaataacaa	catcotttoo	22++++2	743580
cerggerega	Laaligeagt	rgggrgaarg	Ctccccatat	ttctccatas	ttatatamas	743640
ccccaccca	ccayaycaaa	geteagetet	gcttcagtga -	ctagetetes	-tataa	743700
geergegeee	aayctttacc	tectttegat	Catattaaan	22221tataa		743760
ag cacacece	caygycyaac	agettgaega	aacttagett	tetetateee	*****	743820
gegataeget	carrectate	actiticiaga	actaageeta	tcaatacaca	2002000	743880
geodadgeet	ClaatatCaa	gactccagge	ataataggcg	cattaggaaa	2 + 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	743940
addadaggct	Catttattat	gacattttt	tataccatas	tactecerace		744000
caagacaaaa	CLECATCCAC	taataaaaaa	ggatatetet	addagaataa	afataataat	744060
oogog caace	cyacyacaya	gggttgattc	atttattctt	tetttatage	totasta-e-	744120
CCAGGGCCCC	LLLaccaaaa	gcaatattgq	aggagtggcc	ddadccdaca	act ast	744180
gcgcaacaaa	aggcctgcca	actaaggaaa	gatctccaat	cagatccagt	attttatoto	744240
				<b>~</b> -	966	· 4144U

gtactggttc atcggcaaat cttaattgtc ctctactaat aataccatcg tccttaaaaa 744300 ctacagcatt atccaaacat cccctccaa ttagcccctt ttccattaag aaacatagct 744360 cattgtatag agcaaatgtt ctacaaggag caatttcctg gcgaaaagac tcttcattaa 744420 tcaccaaaga tttgtattga gtccctattg ttgaactttg aggataatgc aacgtatagg 744480 aaatcttcag ctcatcagag ggaaaagctg ctaaaaaaat gtcctgatgt tgataatata 744540 caggacgtgt tagtctcgca atggaaaccn atatcttctt gttcacaaat acctgcttga 744600 togattaact caacaaagac atttgagctt ccatccccta tggggatttc ctctccacta 744660 cattggataa ttagattatc tatattgtta gatcgcaatg ctgccataag atgttcgaca 744720 gtggcgatta cagcactacc cctagataat gttgtacttc ttcctgtagt gtagacatga 744780 tctagtaaag cagggacatt ttcgtagtta cctgaggcag actgtctttg aaaaacaata 744840 cctgtatttg tttgtgcagg ttgcaaatgg agagttgagg acttccctaa gtgaattccc 744900 actocagaat agogaacoto togotttaao gttotttgag ttogototaa catgtaaaaa 744960 cctgacaacg agtctccgta tattatcgaa tttcttttt agcaagcaag cgatatccta 745020 agaateetee teetagataa etgaetgeae agaaagetat caaaateata gggtaatete 745080 cacaataccc ataaagcgtt ttataattaa atagaggcaa agaggtttcc aatacccctg 745140 agggggcttt agtttctcta gtatcataag gaagaatttt gagtattcga cctagagaat 745200 ccacagttgc tgtaacacca gtttggcaag ctcgcacgca aggcatccca aactcttgat 745260 tteteaacat eccatggagg aaatggaett tagggagteg tgatteagga taccateegt 745320 catttgttaa gttaacaagg agttcggctc cttgtctctt gtaggattgc aaccgatagc 745380 cgaaagtttc ttcgtagcaa atggtgatcc cgatacgagg taaacctcgg acctgcacaa 745440 ctccagaacg tctacctgga agtctcttgc atcctagagc atatttagga aatagttgtc 745500 tacaaattag ggatccgaat ttccctcctg gtatatattc gccaccaggc acaaggatac 745560 gcttatcgta tcctacggaa attcctttgt gtgatattac ctcagcagag ttataccaat 745620 acaaaacgtt ctctttttc acccaccgtt ctaagccaat aattactgga cactgaaagt 745680 gttgtgacag agctgtggca caatcactat tcgatagaaa tgccttacct tcgggaagtg 745740 gagcaaaaga agacaataaa tgtgcgcagg attcataggg atagacttgc ctatgcttac 745800 caaaaggcac gactacttct gggaaaatca gcaaatctat gggttgttgt attggggata 745860 cgagttggag gagttgttcc cagacgacta ttggggactt aagtttcggt cgtatgggg 745920 gatgcgcggg ttgaacaaca gcgacacgca gcgctctctt atcttgttga aacgcgtgtt 745980 taagatactc ataatgaatt gctccaaaag tatagggcaa aagaagagtg agcacccata 746040 acattttagc atgaggtttt ttcagtagta gacaataaaa gctcatattt acagctatga 746100 cagegaaget etgacetgee caceceaaaa ateegeeaaa etgeegteea taageagagg 746160 ctgtcatagg ccaaccaaga taatcgaagg acatcccaga aaagatccca taaaatcgaa 746220 gcatctcgat agcgacccat acgccaggaa ggctccataa aaaagctgtg cgtttctgac 746280 gtacgattgc aactagaagg caagaaaatc ctgaaaatag aacggacaaa atcgtgatta 746340 atgtaagcca taccaaatag atgagtttgc ctatatattg atccgagagc atccaagaaa 746400 aatgaatccc ctctattgtg aagatccaga aaaaacagga tacaaaaaga gtccttagag 746460 gtaatgaggg tttttttaag ggttctagac tataccaaaa gaatccataa ccacaggcgg 746520 ctcctaatat ggaaacgaat ccacttaaat ctggttgagc aaaagctata aggcaccaag 746580 aaataacaaa gcaaaagatt cgtagcacag gctctcctta tttcagttca agccttgctt 746640 gacgtcgtcg atctgcttca ttataccgac gtttttcttc tggagtttct ggaacaatct 746700 gatggacagg aatgggctgg ttgtcttcgt tgacagcaac aaatgtaaag tatgcggagg 746760 taatatgacg tegtteetge trataaatat tttetgeeca caetttaace eegaetteta 746820 gggaagtacg ccatgttctg tttactgcag ctttacaaat cagattttcc cccatatatg 746880 caggagcata gaagcggagg gcatcaacaa aagcagtaac acagacggat tctgtgtgtc 746940 gttctgcgac cactaaggct aaacgatcga gcaaactcat taataatccc ccgaagacag 747000 tattattagc attaagatca ttagggaaaa ttttataaat atgtccgtca atacagctaa 747060 acgagacggg ttttttctta agcattgttg actctaccga aaggattttt atagggtatt 747120 cttggttgcg atagtatcgg tcaactgaaa gaaaatctat gattttctnt cataagttac 747180 tgaaattttt gattattttt tagaaatcga agtgcttaca attccataaa gggattgtta 747240 acttgtgaaa atccggtccc cttttgtcta tgcttgattt catgacggat agaaaaaga 747300 aggtctgaat cgaaatccat ttttgatgcc cattgaagat aggcaagagg aatttctgaa 747360 aaacategte eettgtgttt eeetagggge atatatttea ttttaatagg ttttgetaac 747420 acctgtttca gttgttctaa cgttcggaaa cgtttacaaa gatgtttaaa aatattgata 747480 ttaatttcta catccttcat ggcacgatga ttcccatcat agggaacatt aaagtgtacg 747540 gctaaggatt ctagagaatt attaggacta tctccatatt cttttgctaa tcggagggta 747600 tcaataatgg tatactttga gaggaaggtc tctccgattc tttccatctc ttgagcgaga 747660 acctgcaaat caaaaccgac gctatgtcct acgatatagt cgccttcttt aaaaaatgct 747720 ttgatttgag gaaaaactte ggegatttte ggetgatete teaacatage gttggagata 747780 tggtggactc tctgggactc cgcagataca acgcgttctg gattgattaa aaattctatc 747840 gaactaatta cactatcgaa agtaaagcga acagcggcaa tttcaataat acgatctttt 747900 tttacatcta gacctgtcat ttcacaatct aggcaagtaa aaaccgtatc ttttaataaa 747960 ctcataattt ccttctactt cctctatctt tgtttgatat ccttctgact gtagaaggat 748020 ttctgtgttt aactttatat tttgcatctg tgcagagaat gccttgcgaa cagaaaaggg 748080

ttccagggaa	a cctatactat	tattacatcg	Cggctcactc	ttctttatgc	ctatcagtat	748140
gcaaggatac	: catggagaat	: aaagactagc	gcttctctat	aataatttct	ctttccatct	748200
ttgtttgcat	ggtaatgtag	, atatttattg	tatcacaaaa	tcataactta	ggcaagcgat	748260
cegeceatte	: aatacaaagg	, acategtett	cttctgcatc	ttgaaaaato	tattectgat	748320
ttttetgate	: aatccggtaa	agatcatagt	ggcacaaccq	cttaggttca	ttaccataaa	748380
catgtaatat	agagaacgag	r ggactagcaa	cttcttccgc	gatagtatch	ccdadatate	748440
cagagactat	gccacgtaca	aattctgtct	taccagecee	ataatcacca	aataaqaqca	748500
atacagetee	tggaacaagg	acttgtccta	actcagttcc	tagtaatagg	atttetteae	748560
aayaatggct	Lactettetg	tatctaccca	ttggctaatg	tacacatgaa	aggetgtate	748620
gictgctaaa	ctttctataa	atgctgcgat	cttatcttct	accadedeat	cttqcaataq	748680
ayaaayyaay	gaactttcca	attgaaactt	agtttgattt	tgcacttctt	ccaddatcat	748740
aggacgcaag	tagctagaga	taaaatcctc	taaaagaggg	ggtaaactat	ggaacaattt	748800
accigiaati	gccgaagcaa	acactgtttt	tataataggt	tcttttaata	ggactgcgta	748860
CCCCCCACC	acatcaggat	cttctgatac	gaggaaacgc	ttgattcgca	ccccacccta	748920
LUELLECCATA	ttttgagggc	aagaagacag	ccagtcataa	attgcgtctt	gagggtttgc	748980
atagacgttg	tcagcaaaga	ccttaccggt	aaatgggcaa	atatagatac	gcttcgtatt	749040
LLEGITTACC	rgrggetttt	cagaagaaat	ttggatttct	gtttctctcc	aaatctttt	749100
atcctgttcg	agaatacgga	ccgcatcttc	nnggagtttt	gaaaattato	ttatcacaaa	749160
Caaacaccac	aggacgaagg	cttagagcct	gttccagata	gaaaagatac	gttgccaaca	749220
attetggttt	tttttgtttt	cccaaaaact	gcaaaagttt	ctatttaact	getecagaaa	749280
Latecatgee	tacccttttt	cagctaatga	cttaacgttc	ttaagcaaac	tecceatasa	749340
aggaatataa	ccacatatgg	gttgtcttac	ctcacqttaa	atcagaaata	ctatcadado	749400
Cyayaattat	gttgaacata	aaggtatcac	aacaaggttc	atccaaaaaa	atctoctott	749460
LLLCLLLaaa	aagtttetta	attgtgtttt	ttattatcta	tagtctacaa	ttttacqaaa	749520
egeagetatg	gcgaaatcgg	tagacgcgct	agattcaggt	tctagtgagc	ttatgctcat	749580
ggaagttcaa	gtcttcttag	ctgcaagaaa	ataacaggga	cagtaattcg	atttttcgag	749640
aagggaaact	tatggtaaag	atcatatcaa	gtgaaaattt	tgactctttt	attgcatcgg	749700
ggctcgttct	cgttgatttc	tttgcagaat	ggtgtggccc'	ctqtcqqatq	ctcactccta	749760
tettagaaaa	tettgetgeg	gaacttcctc	atgtcactat	tqqaaaaatc	aatatagatg	749820
agaacagcaa	gcctgcagaa	acgtacgaag	tcagctctat	tcctacgctt	attetttta	749880
ayyaryyyaa	cgaggtggct	cgggtcgtag	gtcttaagga.	taaagaatto	ctaaccaatc	749940
ttatcaataa	gcacgettaa	aaagacgctg	caatattaaa	ccgtaggatt	cttttqcaat	750000
getaeggett	tctgccttac	cacttcatat	aaaacgatcc	ctacactggt	agctaaattt	750060
agagaacgga	tgtcttgttg	catgggaatg	cgcaggcaat	ttttataata	tttttttaad	750120
acceceteg	gaagaccttt	ggattcagat	ccaaagacgt	aggtgcctga	agatagcaag	750180
gaaaactcag	cataagatgc	tgaacctttg	gtacaaagac	aaaaaatcto	atcttcaggg	750240
acaccacgta	gractrerre	tatagaatcc	actactotca	attggagttt	atcccaataa	750300
ccatecetg	cacgtttgac	aaatttatcg	gctaaagaaa	agcccaaggg	CCGaaccaaa	750360
acgageeegg	cgcctagggc	tacacaagtt	ctacctatat	ttccagtatt	Ctgtggaata	750420
cttaggacaat	gaagaactac	tctcattcac	cttgatttcc	ttcttggggt	acagcagcaa	750480
Cttcatctge	tgaagcctga	atcaagttaa	tttcaaaaat	taataaagag	tttggaggaa	750540
grigiedige	ggttccgtaa	gcaagatcag	gatggatgta	gagaactcga	atttctcct	750600
taget	ctgcatacct	aaagcaaaac	caggaattgt	ttggcctaga	ggaagcaaga	750660
caggettatt	grigectict	gaactgctaa	atacttggcc	attgatgaag	gaacccttgt	750720
agugeaatag	agctgaaggt	ttacctgaaa	ttgctttccc	tgcaccttct	ttaataattt	750780
agaatttt	tetacitggt	tgcacttcaa	caacaccagc	gttcttgcta	ttttctttta	750840
cttcaccat	tgccaatgaa	agattttctt	ttgattttt	ttcaaaaacc	aacttctgta	750900
ccccagecat	Contton	tactctgttt	ctgttaaagg	agcactttta	caaaccaatt	750960
attegeetee	toottagee	acttctgcaa	tatcaaaaaa	catatettet	gacttgcgta	751020
tatcattaat	atettatta	ccaaatgttc	tggataactt	ttgattatcg	gataattcta	751080
ccttagacca	tacatcacaa	tctttatatt	ccactaacga	cccctgatcc	ttgtctttat	751140
aattccacco	tatattastt	gaagcgacgg	agagtgccag	agctactgtt	gctaaaacta	751200
acatocccoa	accepttace	ttccttctcc	tatctttgat	cttaaggcaa	cgactatgct	751260
ttaggaagag	ataatttet~	acttatatca	aaaagctacc	ttaatactta	gctcttttaa	751320
addagacdca	atracetee-	agggagcatt	catcataaga	tccgatgctt	tctgtgtttt	751380
taaccctaac	graatccct-	gaatgctctc	rgctgctgtt	aaaaccataa	ccaatcgatc	751440
tccaaarrr	tettagatas	gatgaggtgg	ygttccaaaa	ctcaaagctt	tgataaagaa	751500
caagtctggg	ttatgaatto	tctcaggact	catttttaaa	atagtaaata	tttgactttg	751560
gtcatageth	gacgaacgce	tttgagatcc	cyaagcaatt	ccatatccat	ttaaaaccaa	751620
caaaggtgct	gtaaacggat	ctgctagagg	accegeteet	aacagaggaa	tatectecte	751680
agggaaatct	gtaatccaaa	ggtgttccgc	ttasttat	CCatcttcta	aagagaaaag	751740
tgcgatcaat	Ctacgcagat	caaagttata gatcgagaga	ctgattgccg	Cratacaatt	cgcgctcttt	751800
caagagcaaa	atatectgat	ctttggcatc	aaaataagoo	actgattcag	yagctgctat	751860
. = -		yycarc	uuuuaayca	aayagttcgt	ygaaaacctc	751920

ttcatccata	aatttagcaa	tattggaagc	aactttcccc	tcttgatttt	taatccagac	751980
aagccccata	gccccataac	gctttacaaa	ctcggtataa	ccatcgagtt	gcttgcggga	752040
catagtagcc	ccacctggaa	cacaaaaacc	tttgatcgta	cctccgtgag	ccaactgatc	752100
taagaaaata	gagaatgagg	aacgttttgc	atagtctcga	caatctttta	atttaagatc	752160
gaatcttaaa	tctggtttat	ctgtaccata	ggaatcctta	gcttcttgat	aggtcatttt	752220
agccaaaggc	aaaggaatct	ctatacctto	cgtagcaaac	agtgttgcga	ccaattottc	752280
tataatggga	agtaggtcct	gggtatcccc	aaagctcatt	tcaatatcta	tttgaggaaa	752340
ttcaddttda	cgatctgctc	gcaaatette	atctctaaaa	cacatagega	tttaasasta	752400
accaygooga	cctccaacca	ttaaaacctc	cttaaaaaa	tataataatt	cęcyyaaaca	
ataaaattt	cccccaacca	ttataaaguug	cccaaaaagc	tgtggtgatt	geggtagage	752460
acadaacttt	ccaggataga	tcctagaggg	aacaagacaa	tetetageae	cttcaggagt	752520
	aatacagggg					752580
	atgacctgat					752640
	cgatactcta					752700
ggaaaaaggg	agattttgcg	acttggatag	cacttcaaag	cttgcaactt	caacttcaat	752760
atgtcctgtt	gctaagttag	gattttccat	tcctgcaaga	cgtggacata	ctttccctcg	752820
tacagaaaga	acccattcag	aacgcacagc	atccaaacgt	tggtgcagtt	ctggttgctc	752880
atcttcacgg	cacacaattt	gagtaatacc	aaaacgatct	cgcaaatnta	tgaagacaac	752940
acccccatga	ttacgataac	ggtgcaccca	tcctgccaat	tgaacattct	cacctatatq	753000
	agttcattac					753060
	tgttccaaag					753120
gagaaattaa	ctctcgctca	ccgattaage	aaacdaaada	accedate	atacteacta	753120
cttttagagg	tccttttact	tttttatga	acceatoga	tteestass	attactaca	753240
atagasata	ttacascast	teennan	accaatcgat	tteegtaggg	attectaace	
gregeaaarg	ttgcgaccat	Lecaaacaaa	actgateege	acctggttcc	attggaatca	753300
aacgcagttt	atgagggaac	tgtggctcaa	tacgcttttg	agctaataac	gtttgaatcg	753360
ctcttcaag	gccaacaccg	aaaccacagg	caggaagaga	agctcctcca	aaagctgaaa	753420
tcaagccgtc	atagcgcccg	cctcccccta	aggcataaga	gacctcttgg	aatgtggtag	753480
tcgcttcaaa	gactaagtct	gaataataat	ccaaaccacg	cactaaacga	ggattgatag	753540
catatgggat	ttctaaaact	ctcaaagcgt	ctaaaatttc	attaaaatac	ttaagatctt	753600
catcagaaac	atagtctaga	atcgggggcg	cttgacggat	aatttcttga	tcttcaggct	753660
cctttgaatc	caaaatacgc	aaaacattcg	ttgaaaatct	ctgctggctt	aatgccgata	753720
attctcccat	ggactctttc	aaataagcgc	gtagaacctt	atcgtatcga	aatcttgtct	753780
cacttcctcc	taagaaattg	agttgaattt	gcatatgttg	caaaccgaca	cgagagtaga	753840
aatcccaaag	caaagcgaga	acttctgcat	ctcttagagg	gtgacgcaca	ccaatageet	753900
caacaccgaa	ctgatggtgt	tgacgatatc	tacccactta	ctgacgttcg	tagggaaaca	753960
tgggaagaat	ataatagaac	ttattatcac	ttccatcaca	aacccatat	tcaagaaaag	754020
aacggacaac	agcggcagtc	ccttcgggac	acaaatcat	ggeeeegege	tttctatcta	754080
aaaaccaata	gacttcttt	traacaacat	cactttcttc	coctacatet	aaaaaaaatt	754140
ctgattttc	2222222	otaccaattt	Cacacacacac	atasagaata	aaaaacactt	
gasttgggtt	aaaaatagga	taaaaaaaa	cacaaaaccc	acadageacg	caaacggtat	754200
gaartgeett	ctcaacacta	tyccaaayty	aagtgtgacg	ccacaattgt	ttagcatetg	754260
CaagaLaagg	aaatatatca	aagacccctt	tggggagagt	tacagtcacg	tgatgtcttc	754320
geteaaaatg	attacttttt	tagataatgg	aatatctgga	gcttagtgac	tcctgcctaa	754380
gcctaagtca	tattcacact	cgaatctacc	ctctttttaa	tgaagggcat	ttcgcacgac	754440
	ataatccagg					754500
ggtttttgta	actaagtatt	ggagaaaaac	cgcgccctat	gaatgctata	aactattctt	754560
aaaattcttt	attaagaagc	atgtttacag	acgaaaacaa	aagataattt	tgcttttttc	754620
tagatcgtta	taacctggaa	cttgttatag	tttacatccc	ttcattcaac	aatcaaaccc	754680
acccttcata	atgtaccagg	caatcgggag	aaataggctc	gataacttcg	tgtacaggga	754740
aaacatcctg	aacaaagaac	aaattatact	ttgctctggc	cacttttaaa	acagtcgcgt	754800
gagcgtcgtg	ttccttattg	gtatttcctt	ttattggaac	aagaaatatc	cctatcaaag	754860
caatcaattt	tttcattgca	tacacctccc	aaagttaatt	atgtcacgat	gagactttca	754920
aatctggagc	agtaaaaata	cgctgtttta	gtatttctta	tttaattaaa	aataaccaac	754980
aaaaacactc	tactaatgca	tetttactet	cacaacataa	aaccaattaaa	taattatt	755040
ttcatccttc	atatggtaaa	gtaggettt	cttccctya	aacgaccccc	nanamete	
tagagataga	aattgaaaga	tanagettta	Coccedence	cateteageg	aaaaagattt	755100
tacacacagga	aaccgaaaga	tgaacgtetg	gactaaattt	LLCCAACCTC	caaagcacat	755160
tatatata	gaagaccaag	aagtygtcaa	gaaaaaatac	aaatactggc	gtattcgtat	755220
tractage	atgttcatcg	gctacatttt	ctattatttc	acaagaaaaa	gctttacctt	755280
cgcgatgccc	acgctaattg	ctgatttggg	ttttgataaa	gcgcaattag	ggatcatagg	755340
aagtacctta	tattttttt	atggaatcag	taagtttgtt	agcggagtca	tgtccgacca	
atccaatcct	agatatttca	tggctatagg	attgatgatt	acagggctca	ctaacatctt	755460
tttcgggatg	tcatcctcta	ttgtattatt	tgctctttgg	tggggactaa	acggatggtt	755520
ccaagggtgg	ggctggcctc	catgtgctcg	tctactcacc	cactggtatg	cgaaatcaga	755580
acggggcact	tggtggagtg	tgtggagtac	ctcccacaat	attgggggag	cacttattcc	755640
tattctcaca	ggattcatta	ttgattatag	tggatggcgg	ggagccatgt	atgttccagg	755700
cattctttgt	attggaatgg	gtttagtttt	aattaatcgt	ttacgagaca	cgcctcagtc	755760

cttagggcta cctcctatag agaagtacaa gcgtgatccc catcacgcac atcacgaggg 755820 caaatcagcc tcagaaggaa ctgaggaaat cgaacgcgag ctatccacta gagaaattct 755880 ttttacctat gtccttacaa atcagtgget ttggttttta gctgctgcct cgttctttat 755940 ttatatagta cgaatggcag tcaacgattg gagcgcttta ttccttattg agacaaaaca 756000 ttatgcggca gtgaaagcca atttttgcgt atctctattt gagattggtg gtttattcgg 756060 catgctagtt gctggttggt tatctgataa gatttctaag ggcaatcgtg ggcctatgaa 756120 acgtcctctt ctctttaggt ttgctgtttg ctattttagg catgtggttt tcacgtagtc 756180 ataatcagtg gtgggtggac ggaaccttac ttttcgttat tggttttttc ttatacggcc 756240 ctcaaatgat gatcggtcta gcagcagcag aactctctca taaaaaagct gctggtactg 756300 ctagcggatt tactggatgg ttcgcttatt ttggagctac ctttgcaggg tatcctttag 756360 gaaaggttac tgatgtttgg gggtggaaag ggtttttcat tgctctctta gcctgtgcat 756420 ccatagettt attgetettt ttaccaactt ggaacgetae ggagaaaaac actegtagta 756480 aagcctagcc gttcttgagg attttttttg acctggatac cccttcactg tcattctcaa 756540 tactctgttc ttgatgcaat gagctccatc aaagatttcg ttgcgaaagg tcaggaattt 756600 ggaattcccg ctctggctct aacagaccat gggaatcttt atggagctgt tgatttctat 756660 aaagaatgca ctcaaaaagg gatccaaccc atcattggtt gcgagtgtta tattgctcca 756720 ggatcacgtt tcgataagaa aaaagagaag cgtagtcgtg cagcacacca tctcatttta 756780 ttatgtaaaa atgaacaagg gtaccgcaac ctttgtattt taacctccct agcatttact 756840 gagggtttct attactttcc tcggatagac aaggatcttt tgagacagta ctctgaaggc 756900 ttaatctgtt tatctggttg tttatctagt tctgtttcag atgctgcctt aaaatctccg 756960 gaagetetge ttettgaatt geaatggttt caagacetat teaaagatga ttattteaca 757020 gaagtacaac tacacaagat gtccgaagag agcattgcag gctttaaaga ggaatggtta 757080 aagcaagaat attactctct cattgaaaaa cagatcaaag tcaatactgc agtgttagaa 757140 gcaagtaagc gcttaggcat tcctactgta gctacgaatg acatccatta catcaatgca 757200 aacgattggc aagctcatga aatcctgttg aatgtccaat ctggggagac tgtgcggatt 757260 gcgaaacaga atactcatat ccccaatcct aaacgaaagg tctatcgcag tcgcgagtac 757320 tattttaaat cccctgcgca aatggcagag ttatttaaag atattcctga ggtcatttcc 757380 aacacattag aagttgccaa acggtgtgat tttacttttg atttttccaa gaaacactac 757440 cctatctatg tccctgaatc tttaaaaacc ttaaacagct acacggagga agaccgttat 757500 caagettetg cagtettett aaaacageta getgaagaag etttgeetaa gaaataetet 757560 totgaagtto ttgctcatat tgctaagaaa tttccacato gggaccotat cgatattgto 757620 aaagaaagga tggacatgga gatggccatc atcattccta aaggaatgtg tgactatctt 757680 ttgattgttt gggacattat tcattgggcc aaagcaaatg gcattcctgt aggccctgga 757740 agaggttcag gagctggatc cgtattacta tttttgttag ggatcacaga aatcgagccc 757800 atacgatttg atttattctt tgagagattt atcaatcctg agcgtttgtc ttacccagat 757860 attgacatcg atatttgcat ggcaggacgt gaacgtgtca ttaattatgc aattgagcgt 757920 catggcaaag ataatgtagc tcaaatcatt acttttggaa ctatgaaagc caaaatggct 757980 gtcaaagatg tgggaagaac tttagacatg gccttatcta aagtgaacca cattgcgaaa 758040 catattccag atttaaatac tacgttgtct aaagctttag aaacagatcc tgacctacat 758100 cagctctata ttaacgatgc cgaatctgca caagtgattg atatggcgct ttgcttagaa 758160 ggctccatac ggaatacagg ggttcatgct gctggtgtga ttatctgtgg agaccagctg 758220 accaatcaca ttccgatttg tatttctaaa gactccacaa tgattacaac acaatactct 758280 atgaaacccg tggagagtgt tggaatgctt aaagtcgact tattagggct caagacttta 758340 758400 gcgacactgc ctttggatga tgccaccaca ttttctcttt tacatcaggg aaagactatg 758460 gggatatttc aaatggaatc caaggggatg caagaattag caaaaaacct acgccctgac 758520 ctctttgagg aaatcattgc tatgggtgct ttataccgcc caggccctat ggatatgatt 758580 ccttctttta ttaaccgcaa gcatggcaaa gaaattatag aatacgacca tccccttatg 758640 gaatccattc ttaaggaaac ctatggaatt atggtctacc aagagcaagt catgcagatt 758700 gctggtgcat tagctagtta ttctcttgga gaaggtgatg tattacgacg tgccatgggg 758760 aagaaagact tecaacagat ggageaggag egegaaaagt tetgtaaaeg egeetgeaat 758820 aacggcatag atcctgagtt agcgactgtc atctttgata agatggaaaa atttgctgcc 758880 tacggcttta acaaatctca tgctgctgcc tatggcttga ttacttatac aacggcgtat 758940 ctcaaagcaa attateetaa agagtggett geggeettae ttaeetgtga ttetgaegat 759000 attgagaaga taggaaaact gattcgagaa gctcagagta tgggcattcc gattcttcct 759060 cctcatatca atgtctctag caatcacttt gtagctactg atgaaggcat acgctttgcg 759120 atgggagcta ttaaagggat tgggcgtggt ttaattgaga gcattgtaga agagagagat 759180 catcatggtc cttatgagag catccgcgac tttatccaga ggtctgattt aaaaaaagtt 759240 tcgaaaaaaa gtatagaaag tttaatcgat gcgggttgtt ttgattgctt tgattctaac 759300 cgagatttgc tgttagcctc tgtagagccc ctctatgaag ctattgccaa agacaagaaa 759360 gaggctgcat ctggtgtgat gacgttcttt actttaggag ctatggatcg aaaaaatgaa 759420 gtccccattt gtcttcctaa agacattccg actcgctcta agaaagaact tttaaaaaaa 759480 gaaaaagagc tettagggat ttacettaca gagcacceta tggataccgt gcgagatcat 759540 ctttctcgtc tttctgtagt tcttgctgga gaatttgaaa atctcccgca tggttctgta 759600

gtccgcaccg tgtttattat tgataaagta acgactaaaa tttcatcaaa agcgcaaaag 759660 aagtttgctg teettegtgt tagtgatgge ategattett atgaactgee gatetggeea 759720 gatatgtatg aagaacaaca agaacttcta gaagaagatc gtcttatcta tgctattctt 759780 gttttagata agcgcagtga ttctctacgt atttcttgtc gctggatgaa agatctttct 759840 attgttaatg aaaacatcat ttatgagtgt gatcaagctt ttgatagaat aaaaaatcag 759900 gtgcaaaaaa tgtcatttac aatgtcaacc tctggcaaag aaactaaagc taaagggaat 759960 aagcctaatg agaatgggca tacacaagct ttagctcctg tgactctatc tttagatctc 760020 aatgaactcc gtcatagtca tctatgtatc ttaaagaaga ttgtgcaaaa gcaccctggc 760080 tcacggacat tagttttagt ttttactcaa gataacgaaa gagttgcctc gatgtctcct 760140 gacgacgcgt atttcgtttg tgaagatatt gaagaactcc gtcaagaact tgtgactgca 760200 gaccttcctg tgcgtgtaat tactgtttga gattttctag acgctaggtt gcatgcttga 760260 agttctcaaa gacatgaggg catgcctatc tatctataga tcttgaaaag attttcccgt 760320 gactgcgttg atgtattcaa cacggacact attatctgca gaaactaggg agatcttata 760380 gacaggtaca tagaccatcg agctacgtac aattaaaaaa ttatctccaa agatcatctt 760440 cactaaatga cgcacacgat cttcggaata ctgcgcaggg aacacggctg cgtgacgtgg 760500 tttttgcaac cacacaggat tgttattgag tgttgttgta caccctcgga taggctggaa 760560 ctgttggaag tgcgttccta tttgattccc ggaggcaaag atcagttttt tcttctgaca 760620 ttccttaatt actcgctctg cacggatatt ctttagggct aaggcttggg ctaaggattc 760680 ccgggatgtg gttcccccta aggtagctag cgtttgtatc acccgcatat cttqcttacc 760740 agcgtgcaaa aggaggcact ctcgaaatcc cttagagcat gtccaagtcc ctgtatgcaa 760800 taccatctca ccattaacta agetecaaag gattteteee tettggetga taatatgett 760860 tttgacaggt tcttctttag agaagcgtac gtgcataagg gtatgtggga tgaaggcgag 760920 ctctacaaaa gacttgccat cacgatattc tgggaacaat gccaacgcct gttctggaga 760980 gacgtgacgt tcaaaaactt gtaactcttc aaatcctgag atttttcgta caaagcggca 761040 gctcttagaa aatacttctg agctatggtc agcagcaagc cgcataattt tttgtgcaca 761100 aggaactcga tcccacaaaa aaacaccaca aaaaagagaa gcaacaaaag cagcaaaata 761160 tagaattaac ttcttcataa agtacctttt ttgtatttta cacaataaag aaatgttta 761220 tcaaataaaa aaaataacaa gttataaata aaacaaaaac aaggcatttg acaaattctg 761280 tttttctttt ttatgatggc gttttgttgt tgtaagcccc cgtctaatta tgaaatttct 761340 attatacgtt ccacttette ttgttetegt atctacgggg tgcgatgcaa aacctgttte 761400 ttttgagece ttttcaggaa agetttecae eeagegtttt gageeteage aetetgetga 761460 agaatatttt tctcagggac aggaattctt aaaaaaagga aatttcagaa aagctttact 761520 atgetttgga ateattaege ateaetteee tagggacate ttgegtaate aageacagta 761580 tettatagga gtetgttaet teaegeagga teaeceagat ttageagaea aggeatttge 761640 atcttactta caacttcctg atgcggagta ctctgaagag ttgttccaga tgaaatatgc 761700 gattgctcaa agatttgctc aagggaagcg taaacggatt tgtcgattag agggcttccc 761760 aaaactaatg aatgctgatg aagatgcgta cgcatttatg acgagattct aacagcgttt 761820 cctagtaaag acttaggagc tcaggccctc tatagtaaag ctgcgttact tattgtaaaa 761880 aacgatctta cagaagccac caaaacctta aaaaaactca cgttacaatt tcctctacat 761940 attttatctt-cagaggcctt tgtacgttta tcggaaatct atttacagca agctaagaaa 762000 gagcctcaca atcttcaata tcttcatttt gcaaagctta atgaagaggc aatgaaaaag 762060 cagcatccta accatcctct gaatgaggtt gtttctgcta atgttggagc tatgcgggaa 762120 cattatgctc gaggtttgta tgccacaggt cgtttctatg agaagaagaa aaaagccgag 762180 gctgcgaata tctattaccg cactgcgatt acaaactacc cagacacttt attagtggct 762240 aaatgtcaaa agcgtctaga tagaatatct aagcatactt cctaagatag aaatcaatat 762300 gagattgttt totttaggca cgatttatot tttttttct ctagcacttt cgtcatgctg 762360 tggttactct attttaaaca gcccgtatca cttatcgtct ttaggtaagt ctttattaca 762420 ggaaagaatt ttcattgctc ccataaaaga agatcctcat ggtcagctct gctcagctct 762480 aacttatgag cttagtaagc gttcttttgc tatctctgga aggagttctt gcgcaggcta 762540 tactcttaaa gtagagcttc tgaatggtat tgacaagaat ataggtttta cgtatgcccc 762600 aaataaactc ggagataaga ctcacaggca ttttatagtc tctaatgaag gcagactatc 762660 actatetgea aaagtacage ttateaataa tgacaeteaa gaagteetta tagaecaatg 762720 tgttgctcga gagtctgtag actttgactt tgagcctgac ttaggaacag caaacgctca 762780 tgaatttgct ttaggccaat ttgaaatgca tagtgaagcc ataaaaagtg ctcgccgtat 762840 actatctata cgcctagccg agacgattgc tcaacaggta tactatgacc ttttttgaag 762900 gagaaaccgt ttttcctgca gtacttagtg aacttcatag catgttggac ttaatcaaac 762960 gtgcaggaaa acaatctaag tgcccccaag agaagttgtt aaagctcgag cttgcttgtg 763020 aggagettet egteaatate atttettatg ettateaggg egaaaattet eeaggaacga 763080 ttgcgatttc ttgcatctcc catagaggag acttagaagt tgtgattaaa gaccatggac 763140 cttctttcaa tcctcttgct gtttcaatca acattcagga agatcttccc ttagaacagc 763200 gtaaactegg gggettaggg atttttetgg etaaaagtte tgtggaegag tttetttatg 763260 ctcgtgaaga tcattgcaat attgtgcatt taaaaatgct caatggccaa cattcctaaa 763320 cctagtgatc gttattaaag cggaaagaac gcagagcatt ttcagtatct ttaatatcct 763380 763440

cgaaagccat	ttctggttca	tagtttcctt	ctccttggga	aaccgcaata	tatccccgag	763500
tgactgcctg	tccttgaaca	agctcaggaa	cgagccaaat	agcaaaatca	gcgttaaata	763560
atgtgagttt	atctttagat	tctgcaataa	taaaatcgtt	gtcagactgg	ctacagagaa	763620
agtcagtgtt	agcatcagtg	caatgaggat	aagagagtat	ttctgcaata	tttaagtatc	763680
cttcggggaa	ggacgtccct	gtattgagta	ttgactgatg	atagaactcc	tcgaaaaaat	763740
ctaaactcat	agtatatttc	ctctgattta	tggtaattct	ttattttcag	agccgtcaag	763800
tcctttctat	tctgttgaat	ttcctaataa	cgtaagtaat	aaacaatcaa	aagtccgcat	763860
atgaaaagac	cttttttac	ctatctatgc	atcatcttct	acggatcttg	tgcatcgtta	763920
tctttacatg	caggactctc	tttcccagaa	gtacgtggag	ctacggctgc	tgttgtccat	763980
gccgactctg	ggaaggtatt	ctatgataaa	gacatagatg	ctgtaatcta	tcctgccagc	764040
atgacgaaaa	tcgcaactgc	cctctttatc	ctaaagcact	atcccacagt	cctcgatacț	764100
ctcatcaaag	tcaaacaaga	tgcgatcgct	tccatcactc	cgcaagcaaa	aaaacaatca	764160
ggatatcgta	gtcctcccca	ctggttagaa	actgatggat	ctacaataca	gctccatctt	764220
cgagaagagc	ttttagggtg	ggacctgttc	cacgccttac	tggtctgttc	tgctaatgat	764280
gctgcgaatg	tcttagctat	ggcatgttgc	ggatctgtag	agaagtttat	ggataagctg	764340
aacttcttct	taaaagaaga	aatcggctgc	actcataccc	attttaataa	tccccatggg	764400
ttacatcatc	cgaatcacta	tactacaacc	cgtgatctta	ttagcatcat	gcgttgcgct	764460
ctgaaagaac	ctccatttcg	aggggtcatc	tccacgacaa	gctataaaat	aggggctaca	764520
aacctgcatg	gcgaacggat	cctatcccca	acaaacaaat	tgcttcttcc	tgggtctacc	764580
taccactatc	ccccagcttt	aggagggaaa	acagggacca	ccaagactgc	agggaaaaat	764640
ctaattatgg	ctgctgaaaa	aaataaccgc	ctcttggtaa	cgatcgcaac	gggctattcg	764700
ggtcctgtga	gtgatctcta	ccaagatgtc	attgctctat	gtgaaacggt	atttaacgag	764760
ccgctattaa	gaaaagagct	cgtcccccc	tccgactgtc	tccaattaga	aatagcgaat	764820
cttgggaagc	tttcttgccc	tcttcctgag	ggactctact	atgacttcta	tgcctccgaa	764880
gatcgcgaac	ctctttctgt	atcttttatt	gcacatgcgg	acgccttccc	tattgaacaa	764940
ggagatette	ttggtcattg	ggttttttat	gacgatgaag	gcaagaaaat	ttcttcccag	765000
cctttctatg	ccccttgtcg	ttttgagcgc	actatcaagc	cttggaaact	ctatatgaaa	765060
cgtgtcttca	catcgtatag	aacctatatg	tctataacca	tgctgctcat	gtattttcgc	765120
atccgcaagc	accgcaagta	taaaaattta	aaacactatt	ctaaaatcta	actttttctt	765180
ttaatttata	aaaaaccaaa	ggtttatgta	agatttgcgc	ttttcaatcc	aacaagaatc	765240
ccttgtgcgc	acattacttt	gctgtttact	tgtcttcact	tgtacttctt	caagttatgc	765300
tcagatatcc	tttcctaaaa	aggattctct	cctctcttt	ttattgtctt	ggaactctta	765360
gggaaaatct	acagaaggaa	aagcatacca	ctgtttcctt	aagcaagtgt	ctattgcctt	765420
aaaccgagaa	gaagtttggg	ataatcccca	tcacttaatg	tttatcttaa	tgcaattcca	765480
acaattttca	ggggaacagg	atcgttttgg	aagtttctta	gaagcaacca	tccgtgatcg	765540
ggtctctttt	ttagtcttac	aagaaaagat	tgccacttta	aagtagcagt	ttaaaactct	765600
gcataccaaa	gatagagett	cttatcgtta	ctttagggaa	cggtaatgtt	tgatttcttt	765660
tgaaagattc	gggcgctcta	cagcgcctct	attctagatt	ttttgaaaat	gagaagtaaa	765720
aaatgcgtcg	cccttaccta	cttgtaaggg	aagcgttttt	ctgtggactt	ctttccaacc	765780
taaagagtgc,	atgtaggcaa	catgagcctc	attttcttct	tttaaaagag	aacaggtaat	765840
gtagacaagt	cgtccccgag	gtcccacata	agcacttgct	tgttttaaga	tgctcttttg	765900
cactcgcaca	tagttcaaca	acaatttctt	agaaaattgc	cacttatgtt	cgggatgtcg	765960
teggaaaact	cccgttccag	aacaaggagc	gtctacgata	actacagaaa	aggatcctaa	766020
acgtaattga	tccgctaaag	aaaaattcct	agctccagca	cgtaataaac	gatgctttgc	766080
agtitgeaaa	atagetttae	gactgtcatt	gatcacaaca	tgttttgctt	tctgcgcaaa	766140
gataaggCtt	teacageata	ctcctgcaca	aaaatccaag	acgatatett	tatctgttag	766200
ggaaatgccc	tgagaaattc	tctgagagtt	ttcatcttgg	atttcgaaaa	acccacgacg	766260
tocaggettet	gragatigta	agggatgacg	tttggaaaag	tgcaatgcct	caggaagctc	766320
attananaa	citggatatt	CLAACTECEC	ttggagttct	ttgacggaga	ttttatctgt	766380
ttattataa	accgtaatcg	gagetteegt	taaccaaatc	ttggcgatct	cctcggcctg	766440
recetterea	taatettgaa	ctaagaagtg	cgcaagatca	tcagatatag	agtaacgcac	766500
aggccaggga	acagegeege	aactgtccaa	gttctctaga	accccttcgt	ttactttcgc	766560
aacyayayct	cctggagtta	cttgttctcc	cgaatcaaga	attaaagttt	caagaagacg	766620
acaaccattt	addatattaa	adataatatt	ttgaatccac	tgacgatcct	tagaccccaa	766680
tagetettt	and a contract	aytacgaaac	tctatctgct	tctgaaattg	cagacgtgtg	766740
tatacctcct	catcacctat	aagcatgatg	ctgacgaaaa	ggaaccatag	tgacatagag	766800
catcactets	otasasas-	tacattaca	aaatcttaca	gaagacaaaa	taaagagagc	766860
ccaaaaaaa=	gradadadid	tatagtatta	acgacgttgc	cataatctca	agaattgtct	766920
tctatcatac	totaacaaca	ancocatana	cgctgctttt	cttaaggcta	taccgatatc	766980
aggattttag	totogastas	tataastat	taacatggta	accatttat	cccacagggc	767040
cttagataca	tagaatttat	tttctaccat	cccacctcc	caggagtgg	tattgtcgga	767100
cagggctaat	ttagaatett	caddddaddd	gactttccgc tagggcagtc	tattacete	caagaaagcc	767160
agtettecea	tgaaatgtta	aaggctaatt	cccaataaga	gagtttgggata	yacctacaaa	767220
			Journal	gagettgcca	araceteaga	767280

***************************************						
tagagaatct	gagataatac	tcataataat	cgtttggaaa	tcctcggcac	tcaaagaaaa	767340
	agctcgcgta					767400
-	cctataaact					767460
-	aatgtggtta		_	_		767520
<del>-</del>	acctctccag			_	-	767580
	catgaggaaa		· –		=	767640
	tcgacaggac					767700
-	atggcttttt					767760
	ggtttttctt					767820
-	gaaattgctg tcatagttgg		_			767880 767940
	tcatatgcga			- <del>-</del>		768000
	cctatagaaa				-	768060
	tattcttcag			_		768120
_	gttaacaatg					768180
	tcagacgctc					768240
-	ggggatgcga		_			768300
	cgacatcnta					768360
	gctctttgct					768420
agagcttcgt	tctctccttt	atcggcaaac	tcatcaattt	gggaggcaca	ggcaagtacc	768480
tgagtatagt	tacgaccaag	atcatatgtt	tttaggttgt	caacaacgct	gacgcattgc	76854C
ccagctccta	aataaggaga	ggtaaattaa	tcttagtaat	cccacggacg	ttagctaacc	768600
	tttgtctgag				-	768660
	ttctaaagaa		_		•	768720
	ttgaactgcg					768780
	tgcagcttct					76884C
	acgacgtaaa					768900
	tagtgctgtt					768960
	tgctttgaga				-	769020
	gcgttttgtt					769080 769140
	cgtagttaac atcactattc					769200
	tatcacttgg					769260
	ggcactttct		_		-	769320
	agttcccatc				_	769380
	ccgattaaaa					769440
	agtagtctac					769500
	tttgcgattc					769560
tcgtgctaat	gctatccata	ttctaggcat	ctcattagga	tgattttcgc	gtacccgatc	769620
taaagctgac	cctaatcgag	ctatatcact	tgtataatct	atgtcgctat	catctccacc	769680
gaaatccgaa	accctagttt	ctaaaaagtt	ttggatagat	tctcctgggt	ctaatgtagg	769740
tccttcgata	cctaagctta	taaccacttg	catgagtaca	ccatcaggat	cattacctgg	769800
	tctaaattct					<b>769</b> 860
	gcttgcggaa					769920
	gtttgctgca					769980
	ttattttccc					770040
	tgagactccg					770100
	gaactcatgg					<b>770</b> 160 <b>770</b> 220
	gctcgacctt ggaggtgccg					770280
	gaagcaccct					770340
	cataactgct				-	770400
	gcaccaagat					770460
	cctctaaccc					770520
	ctctatttat					770580
	actttttaa					770640
	tactaagacg					770700
agcccaatag	agagaaagca	ccccgccaat	ctcttagaga	gacaggcctg	agtggttctc	770760
	r ccttttaaag					770820
	ctttcctgaa					770880
	tggacctttc					770940
	gggtgctgga					771000
	aggtgggggt					771060
grrgggcccc	tcctccagga	accigigga	Lagigacitt	Calcoolgge	cggraccctt	771120

ttttaattaa gttcctacca gctccctcgg tagcgcgagc atcccctccc ggcaacgggc 771180 tacgtacagt atctgcagat ggagcagagg gttgttggct acctcttgga gctcccgatc 771240 tgaagaaget cateegaeta aaaaaceegg ttaetgette tttgattegt getaataace 771300 cttggcgtcc tcctgaggca gtcactctat gacttcctag gttagcactt gtaaccccgg 771360 attetttaac ategggatge tgateatgag etceegtaat ceagagateg ttettggaat 771420 ttcctgatgg attaacagac attataattt tctatttta ttttcttta ttacttaatt 771480 771540 atataactat totatttota agagaaaaaa gacgttttta taataaaaaa catotaaagt 771600 tcagggagtt atctccagag gagtcctctg gtgaaaattt gaaaaatcgg aatgtattaa 771660 ggtttggaga attacaacct aaagatagac caaagcctgg gggaaagagt tacccacaca 771720 tagacaagca ccgcagctct ccatgttaag agagaagaag agcgcgatgc atcgtgttta 771780 cctaaacgac aacaagatac atctcttaac acgaattctt aagtatgttg atttaagagt 771840 actttagctt ttggatggag ataaaacttc tgtacctggg aggaagccct gctctagaaa 771900 ctctaaagaa gcccctcctc cagtagaaac atgggaaact tttgtagagc agcctgccaa 771960 agcaaccaca gctgccgcat ctcctccacc cacgacagta acagctgaag ggtgattgcc 772020 taaggcattc gctatagcaa tagatccaga gtcaaaagga gggacctcat aaacacccac 772080 aggaccattc caaaacacag togotgattg gtttataata cggataaatt cttcggttgt 772140 tctaggtcca atatcaaagc cttgaagatg cggaggaatg ccttgatcta tagaaatcac 772200 agaatattcc ttagattgga gattttcggc tgctttcaca tcgctaggca aaactatggt 772260 aacattacga cttttagcaa ttttcaatac atttctagca agatccaagg cagatttctc 772320 cacaagagag ttccctaggg attttcccaa ggcttgtagg aaagtaaatc ccatacctcc 772380 agctaataag aggtagteta ettgatteag tagageetet ataaeteeaa ttttagaaga 772440 aatettaget eetecaagga tggeagtgaa aggeetetta ggggaggtea atagatgtet 772500 tectaaaaat tecaattett ttteeataag eaggeetget geggetetae etgggaaage 772560 ctgcggcact acatagactg aagcatgttt tctatgcgaa gttccgaaag catcgttgac 772620 atagaaatcc ccgtaggaag agagttctgc ggcgaacgtc gggtcttttt ctggatgttc 772680 ttctcctata tggaaacgca agttctcaag aagcaaaacg cgaccaggag aaagctgagc 772740 tacagettga egtgeaacet cacecacaca atetggaget agaggeacat gatgteetaa 772800 gtateetteg agaacateea caaegggttg cagagaatat teetettgga acceetgtee 772860 tttaggtcgc cctaaatgac tcattaaaat cactgcagca tgtttcttaa gtagatagtt 772920 gattgtaggc atcgcactgc gaatacgaat gtcatcgagt atcttgccat cttgcatggg 772980 gacattgaaa tetacaegta egaggaettt tttttettet ggagaaagat ettgtaetgt 773040 tagettatee atatateete aagaacetae tatttgattt ttettatttt taatggaaca 773100 aagctcttaa agcaaagaaa aagagtatgg ataataaagc tcctgcagga agcgtaataa 773160 accaggagag tacaatatct ttgataatgt ttaagttaat ggcacggatc cctcgtgcta 773220 aacctattcc taaaacagct ccaacaacaa catgtgtcgt agatatagga agtcctaaaa 773280 tagaagctaa agcaattgtt aatgctgagc ccatccccac ggaaaaccct cgagacgggg 773340 ttaactcggt aattttacag cctacagttt ctataacacg ccatccccaa atcgcaaggc 773400 ctatgaccaa gcctatgcct ccaaatgcca tgagcctaat taatgtatac gacgtatagg 773460 aagcaggata, tgcctgacgc aagactccag ctacaggagc aatggcatta gcaacatcat 773520 tagatecgtg agcaaacgce ataaagcaag ctacgataat ctgtaggtag gcaaagatte 773580 tttctacaac aagatacttt cttccataat ttccgcctcg ttctttcaaa cgataggtaa 773640 gactgccttt ttttggtgta tctgaaatgt aggaacagtg cttggtatgg acgtagtaaa 773700 acgtaatgat ataacttaga agtccacaaa ccagaacccc actaactgcc cagggagttg 773760 aagaaacctt aaggatcacg cccccagaga tcatcacggt tcctaaagtc atgatcacca 773820 aagctgctaa aaacggagca acacgaacca tagcaagaac aggatcattc ttataaaaaa 773880 tatggegeeg aatgaaagaa aagateaggt aageaacaca eecaeecata aaaggggaga 773940 gaatccagct aattaaaata atgcctacgg aattccagta aatgattgtt cccttaccaa 774000 ggaccaatcc aaagccaatc acagctccaa ctatagaatg cgttgttgag acgggccaac 774060 caaaaaaaga ggccagctgc aaccacacgc ctgttgctag taaggctgcc gtcatgccgt 774120 acatatagtc cccagaggca atcataggat tggtcacaga aacgatacta ctttctatag 774180 tccctgcaac acgatctcca agaaggagag caccaaaaaa ctcaaagata gcagcgatga 774240 ccacggcttg tcgcaatgtc aataccccag atcctacact agggcctaca gcattagcga 774300 catcattagc tectatatte caagaagtat aaaageeaca tagaaggaca aaaatgatta 774360 atggaagcat ggagtattac ttttcttcta gggtcatatt aattctatgt gcgagctttt 774420 cagaactatc tgaaatcccc gcagtgcgtc gaattacttg taaccaaaga taaaactctt 774480 tttcaggaat tataaaatca tcagaaaaaa atatttgcat aagttctcgt tgcaaaacat 774540 ccgattcatg ttcagattta gccacacgcc ctacaagcaa gcgtgcttta tctgccttcc 774600 tecececaaa tgaactttca agcaattggt tgaatteatg tagcaatgte atagttaact 774660 caaaagcttc tagatttttt tccaaaaatc ggaaaaaaag cgtttccata gatggataaa 774720 agtttaatcg tctgatggtt aataagatag caacatcttc agcagtatcc gcgatgctat 774780 cttgtataga aataatttct agaatccccg ctcgagatat cggcatgaat aatcctgcag 774840 gaagatgatt ceteatatea tettetatae aatetgettg atactettta teagaaacaa 774900 gttttgccat ttctaataat tcttcatatc ttccatctcg gagagcagtg aatataggaa 774960

•					
gcatgtattc cacacaagag					775020
attggccaaa tagacgagca	agggtttgca	taagaatagc	ctttttcgca	ataataactt	775080
gcctaaacga tcttgtaaac	gacttatggc	ttctaatccc	attttacaga	tagaggatct	775140
atccataacc ttggcaaaac	aacgccaaca	gtaccccatc	gtccaatctt	tatcgtttac	775200
tatcaatgaa ggacaaacct					775260
tgcgcatgca atccttcgat					775320
cttccaaggc cacaacttac					775380
agaaatttct atgatctttc					775440
acagcagttt cgagaaatta					775500
aaagatgtta tacgctcttg					775560
ctaccccac caactctctc					775620
ctgttctcct aaacttctta					775680
gtatcagatt ctacaattac					775740
tattacccat aatatgggag					775800
aggacgcatg gtagaatgtg	cccctgcggt	tcaaatgttc	cataatcctt	ctcatcccta	775860
tacccgagat cttttagcat	ccagaccctc	tctacaaccg	caacaactag	gttccttcaa	775920
ccccattcca ggacagccc					775980
tagatgctca aaaattttaa					776040
cgaaggtcac aaagtaaggt	gttggctgta	tgacgactaa	ttttccccaa	cctttaattc	776100
aagcaacctc attaacaaag	cactattaca	agcgttcctt	ttggtttcag	ggaaagacaa	776160
ttgccagtcg tcctgttgac	gacgtctctt	tttcactata	ctccagacgt	gctgtcggac	776220
ttattggaga atctggatca					776280
ctctcacctc tgggttctta					776340
gacgccatca attacgatct					776400
acccgcgaaa aactatccta					776460
caaaagaaaa agtactagca					776520
agtattttta tcgttatcct					776580
cgagagccct attaggagto	cctcagttaa	ttatttgtga	cgaaattgtt	tctactctaa	776640
atttatctat tcaagcacaa	attotoaata	tacttaccaa	actacaaaaa	aaactcagcc	776700
tcacatatct cttcatttcg					776760
tcattatgta taaggggcaa					776820
cacaacatcc ttatacgcgc					776880
ggcaatctaa acctatatto	caagaatato	acaaacattc	tgaagaatct	tactetacaa	776940
gatgctactt ttacaatcgt	totccacaaa	aacaagaeee	ttacaaatca	getetatag	777000
caaatcaagg agacgcgcac					777060
ttcttaagct accattaagg	aatcccaacc	geegeateta	ctgattcgtc	ccccacgeta	777120
gtttgacttt atgttagcta					777180
aaagccattc catatccatg					777240
tataaaagaa gacgctctta					777300
taagatagac tctcactgag	Lgteceatgg	Ctggaaagcc	aagettecaa	cttttgaaga	777360
tcctgagtat tttgcaaatg					777420
accttatacc cacaaagato					777480
tctgccatgt ctaaaggagt	. gggcttcaac	tctatcgaag	agccctcttc	acttataagc	777540
tgttcgctat cagttccgct	ccacgtactg	ccaaatgctc	ttgtatgatg	atctcattca	777600
gcttttccct aagtatagga	tcttccagag	tcaagatgac	tttagcatgg	ccgagagtaa	777660
tctgaccctg caacaagctt	: tcctggatcg	tcttagaaag	agcaagtaac	cgcaaataat	777720
ttgctactgt agaacgtttt	ttccctactt	tataagcaac	tntgtcctga	gtgagtccaa	777780
agacatgaat taatctttta	aaggcctcag	ccatttctat	agggtttaaa	tttacccttt	777840
ggatgttctc aatcaatgta	gcttctgcag	cagtaccatc	agcaatgaca	tgcttgagaa	777900
tcacaggtat cgtagttgct	: cctgcgagct	gcatggcccg	ccagcgggct	cgccagcaat	<b>7779</b> 60
aagctcataa tataacacco	gatctccagt	gcaaatttca	cgcactacag	gaggatgaat	778020
caaacctaca gcttttatco	, acgctattaa	ttcttgcagc	tcctcattag	agaatactcg	778080
acgaggctga aaaggactc	cacgaatatc	atctatagct	acttctataa	ttgtatcctt	778140
actgatttcc tcagtcacaa	tatctcctga	tttttcctaa	tagaattttg	gatttgcaag	778200
catttgaaat cctggacgta	cagggaatgc	ttacagatca	acgtaagcat	atccaaatgc	778260
tgcataaaca taacagcat	gaaattttc	tatcaaacat	ggttgtagaa	gtgaagctct	778320
tttttaaaac ccttaagtaa	a aaatctgggc	ttttctatcg	ggaagtttag	gtgctgtaac	778380
gacgggtaga gcttcctagg	g tettetttge	tcgcagacat	aaacagacga	aaagaaaaat	778440
aactcttgat aaacacgaa	a caacctcccc	ccacgcatca	tcgagtcttt	agcttatgtt	778500
ctggaaaaga gaaaaaaat	gaatgcgaat	gctaaattgc	gataacataa	agtgaaagct	778560
tcaaatcaaa ataggttta	a gccataaaac	tccaaacgga	agagcacaaa	ctctagttag	778620
aggaagatcc ataaaaatc	t tcggcatgct	tatagatttt	caacgccaaa	ctgtcgttcc	778680
tttatgcaaa agctagtcc	a taatatttgg	aaaaaatttt	attetttte	ttcggcaatt	778740
gccatttgta tcgttcttg	c gtccttccta	tccctaaaga	ttgtttctaa	cacgtataaa	778800

-						
cattcccaag	g ccaaacgtaa	tagcattctt	ctacttacga	a gagcagctga	agtcgctgtt	778860
tctcaaggat	tccttccatc	: taaatctgcc	ttgtcgtcat	tggaacaagc	: ctatcatctt	778920
ggaggagaat	ccatgaagco	: ctatgcaggg	tttttagctt	catacttcta	tattcataat	778980
gageetttae	gtggagccta	ı ctacgcagga	ctcgcttata	a acaatagtca	agcactgcag	779040
ctgcccac	: ccattcaaaa	actcctcaag	gaaatttcac	aagcacaagc	tgatcaattg	779100
tatgatgttg	, ctttaagtaa	. atcctatcag	ctcttacaaa	ctoctaacao	ctctcctgaa	779160
Catectacto	: tatcttttt	aaccctacta	cgtgtgatcq	r aactcaaaga	actectecae	779220
caagatgtaa	gtcaagactt	tgcagcattg	aaaagctccc	ccctatttca	ccaatttgaa	779280
cgcatgtata	. gcgatggaga	atggacatta	agcaaacgtt	ttggcaaaaa	aggatabaac	779340
tettaaggad	: ctctatgtca	gaatctctag	aaatcccgga	acttactgaa	gtgctttctg	779400
agcagccgtc	tctttctact	cccgactctc	cccctaaagt	aatcacaggg	accttaaccc	779460
tatacttcca	. agaagatatt	gaccctgctt	cttaaagcct	tatoctcata	gttcttactt	779520
Lccgacaggt	crtttttcc	cactctcgtt	cccagttaga	ccgtctaaaa	aattacctac	779580
ggctcctaaa	acaaaacttt	gctattaccc	tccccaaaga	acgaacctca	aaaggacatt	779640
cgctaatgct	cacttttgac	ttcgcctcct	ttgacttcta	tacaaatatc	tttcccttcc	779700
ttgaggaaca	aaagattcct	gctgttgtag	gggtagcttc	ccgatatatt	ccatcaaatd	779760
ctgctcaaga	ccttcaccct	tcacatcgtt	taaaaccctc	tgaaactcta	gcattccaag	779820
acgagatett	ctctaactac	atgccctttt	gttgccaaaa	tgaactgata	gaaatgggaa	779880
agteteceta	tatccaatta	gcatcctcag	gattcgcaat	toggaatoto	atqaataatc	779940
ctccgtatct	cactacagaa	attttacttt	cgcgacatca	catagaaaca	ataacaggag	780000
ccaagecett	ggcattcctc	ttccccttcg	ggaagtcaga	tcctacaage	cadaaactta	780060
ctgcagatca	ctacccctat	tettteetgt	tagggaatac	cattaacaga	aaattaaaaa	780120
ctcataacat	ctaccgctta	gacataaaac	ctatgcagta	catctaccca	agtttatttc	780120
agagetetag	gtatttaaaa	aactggatta	aagagaaaaq	taaacagctg	tatctcaaaa	780240
aacaacttcc	aaaaagataa	ccttaccacg	tccaaaaaaa	tagaagatcc	tategeagae	780240
gggtcatcta	cgaatcttat	ctaaagaatc	ctgcaaaaca	aggatgaatt	gatcgatatc	780360
atcctcatca	ttatagattc	ctaaggacac	tctcaacaca	tgacccacat	tecategete	780420
catageaggt	tgggcacatt	gatgacccgt	ccgcacagca	attectetaa	gatctaataa	780420
aaaacctaga	tccaaaggat	gggctccatc	gattgtcatg	cctataagag	ctccctaaa	780540
tteetetata	gaaggtccga	gaatctctac	acctggaatc	tcaagcagct	ctttatgtaa	780600
atatgtagtt	agggcaatct	ctttgtcgta	gataaactta	gctgacaagc	catcaagata	780660
atctaaagca	gcccctaagc	ctaaaactcc	agcaatattt	ggagtcccag	cttcaaattt	780720
cataggtgca	ggaagatatt	caggattctg	atgategtag	atagcaacca	tatcaccacc	780720
tccttctact	ggaggcaact	gatctaatag	atctttttc	CCatataaga	ctcctatacc	780840
cgtgggtcca	taaatcttat	gtgacgaaaa	cacatagaaa	tctacatccc	aaaactaaac	780900
gtctatagga	agatgaggag	ctccctgage	accatcaaca	gcaaggtaag	catcatage	780960
gtggacaagc	tcagcaactt	gttggagagg	ttggacacaa	cccgtaacat	tactcacato	781020
aggaatgctt	acaaattgag	caccttcatt	tagaagettt	tccaaatcat	caacatctat	781020
aagccctgaa	tcatgaactc	tgatcttttt	tactaaagaa	ecteaceace	Cacaccata	781080
tcccaagata	aaacattcgc	atggtgttct	gcctcagaaa	CCagaacaac	accccctta	781200
gggatccaga	ggtcattaac	agaaatggct	aataaattta	accetacaat	tatcccacaa	781200
gtgaatacga	tttcactatc	agaggetgeg	gatacccact	tacgcacttt	ttccccaece	781200
gergegratg	cttccgtgac	gttcctagag	gagctataaa	togcacgatt	tacacttcca	781320
tatgaagaag	tataaaagtt	agcaacggca	tctatcacct	gttgaggttt	ctgagtcgtt	781440
gcagctgaat	ctaaataaat	aaaaggctcg	ttctctttta	Ctttagcagc	aaaaatcgga	781500
addictict	ttaaattett	cactgatcat	ccccccct	aaatcctaaa	CCTaggaggt	781560
ctyatttage	tgaaaagaag	atcccaaaaa	cgtatcggaa	actaateett	attttaaaaa	781620
cccatgtatg	agtttttcct	gagcctctgc	ctctgtcatg	CCtCGagaac	acatataaaa	781620
gatetgetga	ggatctaaag	gtcctactgt	agcgccgtgg	gatgeettea	cctcatctat	781740
LLCLALCECT	aaacgtggaa	atgtagatac	acgagettet	gaacttaata	acaacatata	781800
argerringa	ttcgcatccg	acaagtctcc	ttgagaagaa	atagaaattg	tecetteaaa	781860
rayaaaargc	cctgaatata	aaatcgattt	aatattctga	Coccatacca	tetetteage	781920
accycyayac	attaaattat	tgacccaagt	ttttcttaac	gattggacta	acactagaga	781920
recedence	cccttcttcc	cgactatgta	gctcgtattg	tcaaaccatc	CCSSSCCTTC	782040
acaactttca	agcaaattct	gagtcatcct	gcagatagca	tettteteaa	ccatagaaat	782040
agiggaccaa	cccaaggtat	cctcttcaga	atatectora	accataaaca	ctataagata	782160
cyccccccc	ccaacgaaga	gctcggtaac	cccattgact	atagttttag	tagaagggag	782160
Calculada	tcaacatcat	gtgatatttg	tatttgaggg	gacgcccgtt	ataataaaa	782220
aacyacyacc	ctaggagaga	aaatcacatc	atgatecgaa	actotaggaa	22Ct22t2t	782280 <b>7</b> 82340
acytacaaaa	ataggatege	tcgtctgcat	ctcttcagga	atgtaaatga	Ctacacaca	782340 782400
acciccagaa	caaacagcat	ttaaaaatgc	taagggatgc	ttatttacat	Càaaaaatta	782460
cargaargaa	gacaatgatc	ccctagette	gtetatacea	cadacaatca	CCCCCtcc	782460 782520
caactygyat	aacgaaggtt	cgtattttcc	attaattaaa	atacactcaa	20005	782520 782580
atggttattg	tgtagccaat	gttgcttaat	tagttctgaa	gctccagtcg	Caagattatt	782580 782640
			-	5	·····	, 0204U

	àgcgatcagg	aaaaagagaa	agctcctgaa	tccaagaaaa	gctactaagc	acctcttttg	782700
	aagaaggctg	cttgctatat	tgagtgtagc	aagcttccgc	agctttttgc	acaggagaac	782750
				aaactaacac			782820
				aattcatgca			782830
				acaacatcag			7829≟0
				ctggtaggat			783000
	aagactctac	aaatcaaacg	taatgcatct	acatccaaac	cagaatcagg	ttcatctagt	783060
	aagaccattt	cgggttctaa	aactagcatc	tggcaaatct	cattgcgctt	tçtttctcct	783120
				aaaaatagat			783180
		-		ttaaactcat			783240
				tctcgcaaaa		-	783300
				aatagccctg			783360
				gcaatctcac			783420
•				gattttcctg			783480
				ttgaaatcat attgaaccta			783540
				caaattctaa			783600 783660
				ctgcttcctc			783720
				ttgaggtcgt			783720
				ccgtataggc			783840
				tatgttcagc			783900
				aagaaattcc			783960
				tgcctgtgtc			784020
				tctcgtcgcc			784030
				cctgtgacca			784140
				tataaatgcc			784200
				accttatgac			784250
				aagagtatgc			784320
				caatgagagt			784380
				tatccatagg			784440
				ccgcattcaa			784500
				ttaccaaatt			784560
				tttccaacgc			784620
				caacattctc			784680
				acgtatctaa			784740
				gagatgaaaa			784800
				ctggctcatg			784860
				gaggttcatt			784920
				atccttgaga			784980
				aaacctttac			785040
				gtattaaatt			785100
				aagaaggctt ctaaaaatcc			785160 785220
				catgcaaagc			785280
				tatttcccta			785340
				ctaaacgcct			785400
				gagcaaacgt			785460
	ataaaagctc	ttttgttgcc	ttatcqqtct	ctccttgcat	atgatgcaaa	tagcccagaa	785520
				tagacaacgc			785530
	cttcccgcat	ttgcttaaga	tccaagtgag	caagtccgac	ataaaaatgt	gcatcagcat	785640
	cttcagcatt	gagaaacaac	gcttcttgaa	aagccttcaa	agctaatcga	gttttatcta	785700
				gaccatcaga			785760
	caacacgttc	ataagcctca	gtagccttgt	cccatcgttt	gcttcgagaa	agcaaaaaac	785820
	ctaactttac	ccaagctttc	caatataagg	gattcttcgc	tacagcaact	tcaagcaaac	785830
	gaatggactc	cgcttcatcg	tccatttcag	aaaggatcac	tgccttatta	tataaacttt	785940
	gtggattcca	aggatcaagt	gcaaggatct	tatcaaaaca	atctaaagcc	tcttgaagtc	786000
	tcttcaaacg	atgatataca	cttccaagac	taaaccagca	ctcaacatca	tcgggatgca	786060
	aagcaacata	cgcactatac	tgttcgatag	ctgcttcata	ttgattcccc	cggtctaacg	786120
	ctacaccata	acaataacgg	agatagctgt	ctcccggctc	ggatgctaaa	cctttagaac	786180
	accagttcaa	agcctcggag	actettecag	tctctaaagc	aataatccct	aaataacaat	786240
				aggtttcttt			786300
	toggagette	ycccaaaaaa	aggitaatto	ctgaacacag	aaattctttt	gccaagtgtt	786360
	adadddaaaa	controcate	attleteeda	gcacatgatt ccccttaaaa	cgttgatctc	aactaaatga	786420
	>>~>~Anaraa	ccargccada	ayaaaaccat	cccccaada	aayaılctct	cryttgaatt	786430

ttttcccac	a tatcaatcat		· ·			
aagcgtaaa	t acactatoac	- ttttaccgcc	ataggagccg	g catctcgaco	aaattctcct	786540
accocacca	agactatgat	tacgategta	ggaagagata	a aatcttgato	agaaaaaccc	786600
cacataata	actagatytt	. cccatttt	arggtaccat	attcccgate	cagteceaca	786660
aattgactt	ctattecte	actigiett	. Ccaataatac	gagacaaaac	ttgtggagga	786720
gtcttaagca	CCTCTACTAC	agetgeteeg	Latigaccc	agataacatt	gcgcatgcca	<b>78</b> 6780
agataagaa	a catactece	. agcatcaggo	acgaaaatcg	ttegettett	tttagaagag	786840
CCCCCatta	ctaaacaac	tarastaras	ccaagcaata	acttggggac	: ataaaccaca	786900
tactatacas	teactattae	caacaccacc	getgtetgea	ı aaggagttac	aacaagagta	786960
ctaccccat	actotosta	grardaaccg	gaacggttat	acgccaaatc	atgaggcacc	787020
accacatata	ctasatette	caaccccaaa	cctgtttct	cgccaaaacc	aaataaagaa	787080
gagttactac	, acatetetaa	tactarasat	agaccttccc	ctaccaataa	tgaaaagtac	787140
tttcccaaca	aactcccca	- agergagaer	adalcaataa	agectettee	catgaaatca	787200
cccacatgac	gottagaact	cctatagean	grgggaateg	grgrgccatc	tttaaaaaag	<b>7</b> 87260
ttcgcaggct	cctcattate	toccastana	aaggaattt	tatcaataat	gaccaaggga	7,87320
actaacttaa	aaatagaacc	taaggtagg	accetetgag	ataacacaga	atatgcagat	787380
ccgtatccat	atactonata	aaaaggtaget	gettgeeegt	aggcatgagg	acgtaggtat	787440
ctcacaatco	acaccggata	tttaata	gctaaatctt	gttctgtctg	cctcttattt	787500
aatotagaaa	agacygyaca	cccgcccaac	agaggacgtt	gcaattcatt	gaattcacga	787560
adataatott	Cattagaga	yagatgttet	gaaagatgcg	acacacgttc	ttttagaaaa	787620
agacaacgcc	cgttccaaga	Laacgctcta	Egcgctccat	tatctaattc	atttatccat	<b>7</b> 87680
tacccaada	tarcatagta	aggetetaag	ccttctttat	aaggggtttt	agaaaataaa	787740
toctotaagaa	atgtatccaa	argreerigg	cagaacattt	tatattgcct	tgttttttct	787800
catttcacaa	aatctacata	aggtgtagga	tacctctgtt	tccttaatgc	ttcctcttga	787860
ataaaaggat	caagatattg	aagaaattca	ctcttacgcc	acgacttaaa	atgcacctca	787920
accadageae	cttctaaaat	agtagagaat	gcagagcgaa	gcaccacata	acgtccttga	<b>7</b> 87980
cactetaaat	attcagataa	cgagagccta	tgaacctctg	aaggaagtac	aggagaaaaa	788040
garagatast	ctacaatcag	cctaaggata	tccgtataca	agattttatc	gtaattcgca	788100
trattracac	taaaaacttg	gtctaatgct	tccttaagct	cttcaatatc	tgctttatgc	788160
atatocccct	attccatgat	ccatttttgt	tcctgaagag	aaatgacttc	ttggattaag	788220
tetteataac	cttcattagg	gaaaactgca	tcaaaaatag	cggaacaagg	acacgtcccc	788280
CCtacaaag	gaaataaaga	aagcaaacga	gtcaccaagt	tttgaacctc	tatcgcctgt	788340
:Fcaaggaage	tgtttctttt	taactgcaat	ttaatcacag	agttttcagg	gaaaagaaaa	788400
ttccttctt	aatcaaaggt	caatggcaaa	atctcttcat	aacataatcc	agtaagagga	788460
ttttctaacc	cccgaattag	agggacttc	ctatcataaa	tttctgcaat	atgctcttta	788520
cattcacaaa	atccagataa	acagacgate	ttaccgcttt	agaatcttcc	gcaaccttcg	788580
tattaggate	atcattgtta	cyataacggg	gagaagaagc	catggctaaa	atctctccgt	788640
teteteatt	taacgcaata	argycteete	ctttaatcca	agggaacaaa	ggaggaagct	788700
gtaacgcatc	cttcaatgac	tragcactae	gaaacgtctc	cgttttttca	tattctaaaa	788760
gagetteagg	cgcatacgct	tocatteet	cagacaaagt	caactgcaat	ttagttccag	788820
tcaattttt	aacagcaccc	cotcottatt	gaatgaagtt	cccacgacga	tctactaaaa	788880
tttccracta	tccgatctta	actataacc	ttgagtccca	acagtgcctc	aacacccatt	788940
acctgatcta	aagcatttaa	toottoo	ttgctctcca	cagactctaa	taaagcacgc	789000
cocacacact	tacttgctaa	natanaatan	aacttaggat	cttcaccctc	ttcataagca	789060
ataggtccta	cacgcaattg	actuagetee	tgagtgactc	tcttatactc	ttgaagactg	789120
actacageet	cataacctaa	tagaggga	gccacgcttt	cttgaggata	atgacgacga	789180
gtgcgctcag	ctacatgcaa	accaggedaa	tetttagata	acattttgag	tttcaaatag	789240
gcatgaattg	aaacattagc	cactacaa	taagggaccg	aacctaatac	agaagctttt	789300
gacaaacaca	catcttcgat	cttaccasca	cccaaatgca	attcctgaga	taaaagctca	789360
acacgccaag	ttatataatg	Casatosoca	ggaatgaget	gtttatgccc	atgctcatcg	789420
tgcaactgat	cccgagtagg	tatatttaa	arggccccat	aagcaacgct	cacatcatat	789480
tattgaggaa	tcacagccaa	ctataaatt~	aaacgatcac	aaatcgttgc	tctttccaca	789540
acaacagcaa	gcactcgaat	accesates	ratgeetett	ctaacttttg	ttcatgttca	789600
aacagtctgt	gataccataa	acgeaacgea	accacagcaa	atgcaataac	aatcccagac	789660
atgctatgga	tggtcttttg	ttcactotc~	tatanaatag	gaaattttt	cggtcgtttc	789720
attatttcca	tattatgagc	acta at ac-	atanta	acagagaact	atgctctcac	789780
aatagtcaat	atcatagtct	assatctace	acacadaaa	yaagcacgat	atttaagaag	789840
ttagtccaat	ctaatcgaac caaaacatat	taaaaccaaa	yaayacacag	ttcgcaaaat	acaactaatt	789900
aaaaatttct	caaaacatat	anacttoan	aarcatgttc	caaataataa	aaataaacaa	789960
taaattatat	caagagaaaa atataatgaa	aadaatarac	ayytagtgag	gagccatttt	taaggggaac	790020
acagaagttc	ttggttgaaa	tatacaacta	aaaaaaycta	Lagettteet	atagctcata	790080
ataataagaa	aagtttgata	tattttaac	taatmame-	tatorte	cgtctttact	790140
tttttcaatg	ataagagett	cctaaattto	cctacaccat	atottatata	tttaaggccg	790200
ggacgtcgtg	tcgccaaaat	atgagtaata	acasacscs+	asatasasa-	gctttaattt	790260
		2 2	~ -3-g-ucat	aaaaya	Lactaagcat	790320

110 22/2/2						
àatctttaga	ggtgagtatg	aaaaaactct	taaagtcggc	gttattatcc	gccgcatttg	790380
ctggttctgt	cggctcctta	caagccttgc	ctgtagggaa	cccttctgat	ccaagcttat	790440
	tacaatatgg					<b>790</b> 500
ggtgcgacgc	tattagctta	cgtgctggat	tttacggaga	ctatgttttc	gaccgtatct	790560
	tgcacctaaa					790620
	tactgccgta					790680
	cactaatgca					790740
	aggagcttct					790800
	cggagttaaa					790860
	agttgttgaa					790920
	atgggaatgc					790980
	agttgaagaa					791040
	ctataaaggc					791100
	aaagtctgcg					791160 791220
	aaactcttta catccgcatt					791220
	ttctttacta					791340
	aattgtttcc					791340
	agctacttta					791460
	gagagetget					791520
_	accttgttat					791580
	gagcaatttt					791640
	tgctattttc					791700
	ctatacccct				-	791760
	taccggtgtc					791820
_	ggcttttatg				_	791880
_	ttggaatccc					791940
	ggacaccaaa					792000
	ggtctttaca					792060
	attcgcaaag					792120
	aagtgtgtca					792180
tgaacgttgg	ctaggcggaa	tgttaaccaa	catgacgact	atccgaaatt	ccattaaaac	792240
gttagacaaa	attgaaaaag	atttatctag	aaatcaggcc	tatcttacta	agaaagaagc	792300
	gctaaacgtc					792360
gaagaaggct	cctggtcttc	tagttgttgt	tgaccctagc	tatgaaaaaa	ttgctgttgc	792420
agaagcaaaa	aaactcggaa	ttcctgttct	tgctctcgtc	gatactaact	gcgatcctac	792480
	catgtgatcc					792540
	aaagaaaata					792600
	tctttagaag	-				792660
	gagaatcgag					792720
	acttttctat					792780
	gtaaggaagc	44				792840
	agttgggatt					792900
	cagctaaaac ttgcaaacaa					792960 793020
	acaaagtaga					793020
	ctgtagacga					793140
	gagtggcata					793200
	gcaagacagt					793260
-	acattgcaat					793320
	ctgaagctat					793380
_	aagttattga			-		793440
	tagaacaacc					793500
	ccaaaacctc		-		-	793560
	aataaaaaca					793620
	tctaaagatt					793680
	agagcagttc					793740
	agaggactcg					793800
tcaaatggga	atgctggcta	ccttgatcaa	tggtatggca	gtagcagatg	ctttaaaagc	793860
	ccttgtcttt					793920
	aaatcaatag					793980
					gtgagcttaa	794040
					aagatcctag	794100
gctctttcca	gatgctgtaa	aatatgattt	tgtttcctat	aaggatttt	tgagcaatca	794160

actaggggta atggatgcat	: cagcaatttc	cctatgtatg	gattctcata	ttccaattcg	794220
tgtctttagc tttttacago	: actctctaga	aaaggctcta	tttgacccta	cgattggaac	794280
attagttagc gaggatgtaa	accatgtctg	ttctccaaga	cactgagaaa	aaaatggctg	794340
cggctttaga ttttttcat	: aaagaagtaa	agtcctttag	aacaggaaaa	gctcatccag	794400
cattagtaga aactgttgta	gtcgatgttt	atggcactac	aatgcgtttg	tctgatatcg	794460
cttcgatttc tgttgcagat	: cttcggcaat	tggttatttc	tccctatgac	gggaacaatg	794520
cttctgccat tgcaaaagga	. attattgcag	cgaatttaaa	cttacagcct	gaagtcgaag	794580
ggtctattat tcgtattaag	gtccctgagc	ctactgctga	ttaccgacaa	gagatgatta	794640
agcaacttcg ccgcaagtgt	gaagaagcta	agatcaacgt	tagaaatatc	cqcaqaqaaq	794700
ctaatgacaa gttgaaaaa	gactcggctc	ttacagaaga	tgttgtcaaa	ggtaacgaga	794760
aaaaaattca ggagttaact	gacaagtttt	gcaagcagct	tgatgagtta	acaaagcaaa	794820
aagaagctga aatagcttca	atataagtat	acttagggtt	tttcttttcc	ctctgacttt	794880
tttagtcata gagagggaaa	aagattgctc	taaagagaga	aaattagtaa	catttattcg	794940
tettggeece ategtetage	ctggcccagg	acateggatt	ttcattccgg	taacaggggr	795000
tegaateece ttggggteaa	agtataaaat	taacaagata	tttcgggtct	ttagctcagc	795060
ggttagagca cctcactttt	aatgagggg	tcgaaggttc	aaatccttca	agacccattt	795120
aatgattett gttaaettta	tcttttctaa	aaaaaatctt	tttcccctta	attctatttt	795180
tgctatgtac tgagtaccga	gcttaatgga	acttaactca	tggttcactc	acctacccac	795240
caatgttatc attgtcaaca	gcctgccacc	atatoctata	cagaaataga	taaggataag	795300
gttatacgct cttatgtatg	cgcaacatgt	ccttgtccta	occattacta	taataatgag	795360
cacctgagtc tatctaaagg	gattagaatt	ctcactttag	agtacaacaa	ctataatgag	795360
gtatggcatt caaagcaaga	Cgacgaacaa	ctartagact	agegeggeaa	ttatagaaat	795420
ttcaaaaatc agattaccag	Caaactcaaa	agtgagagag	tagtatetta	staatttaat	
atggagaaag gccaaggctc	tetteatata	agtgagagag	Ctaggagaaga	tteenstaes	795540
aatcctcttt taaaacttat	agcattaaat	gaagetttae	aagatagett	anagana	795600
gactacgagc aagcagcagt	aatccgagat	Carattaato	atttanana	agaacgagag	795660
gatgaccett cetaatgatt	tactagagac	Cttagtaaag	acctadadac	caaaaatcca	795720
aaacaaagtg tggcctgtaa	ctacattttc	tttagctagag	agaaaagaaa	gcccacagge	795780
ccttccctgt ttatctaaag	aacadaaatt	agagattata	aatetetetg	tatetaagtt	795840
taatcatatt gaaggetttg	aacagaaacc	agagaccccc	chatttatta	cctctcattt	795900
gcagaaagag tttctacttg	aggaattttt	agtgcctcct	Ctaaaagaca	ctcccctatg	795960
aggtgaggca ttagtagtta	gcagatetgg	accecetat	gatttggtgg	ggaacccaga	796020
tcatcttgtt ttacatggaa	trastttas	agacccccca	gcagctataa	attttcaaga	796080
totacaatto gatagttato	tccataccaa	ayyaaatytt	gagaaaaccc	ttgatcaact	796140
tgtacaattg gatagttatc	agaactgtgg	gctatettet	getttttett	cagaatttgg	796200
atttttaaca accaatccta	ctasacsatt	tacanatata	aaaagccaat	gttttctgca	796260
tattcctgcg cttctatatt	tagggttag	caccaatett	attgatgaag	aggtggagat	796320
aattacttct agtttattac	tcactgaggccac	aggatttcct	ggcaatattg	tggtattatc	796380
gaatcgttgt tctttagggc	acattacasa.	actgettett	tettettaa	ggattactgc	796440
ttccaagete agtgttgetg	tteetteett	aadaaaacgg	ctttctgagg	agaattctgg	796500
cgatttaaag, aatcttatcc	cettarate	aggictactt	acccattcct	gccaacttga	796560
gctgaaagag actctagatg	ccctgagetg	gatacaactg	ggtatagatt	taggcttgat	796620
taaagtaacc gaaaatcatc	ctccatggaa	recattattt	tggcaaatac	gtcgagcaca	796680
tcttgccttg caaaaacaag	Cigadaactc	ccgggatctg	caaaaagata	cgatttcaca	796740
tttaagaget agegtattga	aggagttaac	taaaggatta	tctcctgaga	gtttctgata	796800
adattctgaa gatatatttt	taaayayaya	tgcccaaagc	cgggatcgaa	ccgacgacct	796860
acacgttacg aatgtgttgc	catanact	yagntattta	ggcatgtcgt	aggaagtagg	796920
gaacaaaaaa gccaagaaaa	Cacaaagtta	tacggccgac	tcttacatct	tcttggcttt	796980
cccctgaat gcaacagagt	cagaagctat	rccacggcgg	agaatatcat	cttcctcttt	797040
tatataccac tactgagett	ccacttctat	cattttaaag	tcactttcag	cctgtaaaga	797100
aggaggtcct tggcattcag	gagcatggcg	aggggccact	tgcatggatc	cttcatcagc	797160
ttcccaattg tatctgtatc	cttccttatt	ggtaacacga	gtgccttctt	caaagctact	797220
aatcacctta ggcttaataa	acatcatgat	attgcgtttt	tgcctttggt	cgatggtacg	797280
gctaaataaa ccacgaatta	atggtatgga	gtttagcaaa	ggcactcctg	aaaccacttt	797340
tgtagtttta tctctgatat	gcccactcat	aactaagaaa	caaccgtcgg	gaatttgtaa	797400
gegragger geataagtet	tatctgtgac	aggtgttagt	gatccagacg	cadaatataa	797460
ttctgagatc gtctgttcga	tttgtagtgt	aactacattg	ttgggagcaa	ctgtagaggt	797520
aacyacaagg ttcactccaa	tatcttcata	atcgatattt	tgcgttacag	ttcctatttc	797580
ttggataata gtatttgtag	tttggtaagg	gaccgtttgc	cctacaaaaa	acgaagcttg	797640
trucgtatee tgagecatga	ttctaggatt	caagacaata	acagtatete	catcttgatc	797700
taaggcactt aataagcctc	ccaaagtaag	gaaagacttc	cctttatgac	ttaggagatt	797760
tccgatgatt cctagaccga	atgctgacga	agagttcagc	atatctgaga	accetgteaa	797820
Ligiteetgge gtaggaagag	ggatcgaacc	aggatttggc	ataccaaaaa	ggacagttgc	797880
ttttgtaggt gtggctatgc	cagtattatt	caatagtcca	gaagcataan	Ctactttact	797940
ttgttcatca cctagggcta	cccattgcac	tccaaagtcc	caggatttct	ctaagctggt	798000
				•	

						-,0,0,0
àtctagaatt	aaaacttcga	tgtaaacctg	tttaggaggt	aaatctaaac	cgtttaagag	798060
gccaataact	ctgtcgacat	tcccttggtt	tccgataata	actatggagt	tattgacctc	<b>7981</b> 20
taaccactgg	atactattga	gagtgttaat	gaaatcttcg	tccatagctg	toottacata	798180
tagattgtaa	ccgatatett	ggagggcatt	agcaatcact	tctccatttt	gatacttcag	798240
cttgtacata	aagaaccgca	aactcttagg	gctcgtggtt	cctgttcctc	ccaaagccaa	798300
ggcagtactt	gcaggatcat	ctagggtatg	tgccatttct	gggacatcta	aggacttcag	798360
gagctgctct	gccttatttg	caagacgtgg	tgaagagacg	acgaaaattt	tgttcgttcc	798420
aggttggatg	aacatttgga	aagcatcatc	ttcggccaga	gtaccaaqaa	catcttggca	798480
gtagctaaca	agagctgcgg	gattggcata	tttaacttcg	tattcagtca	tgtccacaga	798540
tgtgcctggg	caatctagag	ctgctagcaa	atcactgact	ttatcgacat	taccagcaat	798600
atccgagatg	ataacatgac	gagtagcttc	tgaagcacta	acgatagcat	catgggaaag	798660
taaaggttga	ataatattta	ctgctgcaga	gggctgacgc	tgtaaagacg	gaacactcgg	798720
gtaaccacaa	cagcttcaca	cgtttcttt	aaggagctgt	ctgtgactac	tgtggatagc	798780
ttagaaagat	gaggattacg	atagataagg	acgttattgc	cttgttcaac	aaccttcaag	798840
tcatgcattt	ttaagacttg	tagtaagatt	gtagataaat	catctacaga	agtaggatcg	798900
tgggaaacga	tcgtgacatt	gaattgcaaa	tcgttgctat	caaagacaaa	gttcgttcca	798960
gaaattttac	ttacgaactg	caacaactct	aaaatagaaa	tgtcttcaaa	attgacagta	799020
tagccgttat	ctttaaggtc	ttcacaggta	agttcccgct	ttgtcaatcg	ctctttaact	799080
ttttcttctt	cagatttgtc	ttgaggtaca	gccactgttg	ttgctgcttt	ctcgattcct	799140
ggcatagagg	tcgaaggact	tgcaacgttt	ttcttcgaag	cgtgtggtgt	tacttatatt	799200
ttaggttgga	cgtctttctc	tgtaactgtg	gaggtttgct	cttcgagttg	tttttttata	799260
ctcagattga	tagcatttac	ggctctgcga	gcataatttt	gtttttcttc	ccaaacctgt	799320
atactatcta	attgttcttt	agaggcggca	ggtacaggct	cttcgacttc	ttatattaat	799380
aagaagcgtg	gggatctttt	tacatcggca	gtagttctac	gctctggtcg	aggtttttt	799440
ctctcttcca	gttctttcag	ggtggtaggt	tttgctggga	atgeggatee	tgaagtettt	799500
tggaaagttt	tatcttgggt	tgcgtcgaat	ttagagaaga	ctttactggg	gatagaacct	799560
ggagtggttt	tcttggtatg	acttttcttt	gctgaaagtg	aggctgctga	atttttagga	799620
caagcagcta	acttttcatc	tctaagattg	tgttttacat	ttgccgaggt	ctctgtaggc	799680
ctctgggnac	ttacaccaag	taaaactaaa	tctaaaaaaa	agagaccact	naaaatcccd	799740
atctttttt	tctnttttt	gatgccttgc	aagattttc	ttccaatgtt	caatatcaca	799800
gttttcaccg	gattctttt	aagctaatga	gcgttgaggg	agagttactt	ccqtqctqac	799860
gactttgtat	tccaccatgt	atgctctcta	tgggacagaa	tatagctttt	tgccttctat	799920
cttgcaactc	tgcgagtgat	agggttttta	aggatgcaac	agattcttct	aattccagcg	799980
tacacactac	agcttcatca	cctatttccc	atgcaacctt	ggtttctcqa	atttgtaaag	800040
aagtaatttt	ccctaatcct	ggggaaaagc	tctcaaagtc	ttggacaacc	cttccctatc	800100
tttttatcca	gaaaacggtt	ttcccacaag	ctatccaaga	gagttcctta	ttttctttcg	800160
aaatttcgag	gcagagtata	gagataccca	tttcatctat	gggtattttc	atgcgaatca	800220
agcactcatt	gatttcgcat	actctatcta	aaagaggtcg	ctgtagatct	tgttggcaga	800280
ctaaactttt	tacaacagac	aaagctatag	ttgcattact	tataggactg	taacctaacc	800340
acagattaaa	aacatctcct	tcaagcaacg	tatcatatgc	atgaggatac	aagggatatc	800400
cttgatgata	gagaactccg	gatataaaat	ctggaaacct	cagagtttct	ggggctaacc	800460
aaaatcgttg	tgtttgcagc	tgttcataga	gagctaccgt	gtgatcttta	atacqtaqat	800520
cttcttgcat	gtctccagac	atgcgatagt	gatgtatatc	ctggataaac	teteggatea	800580
agctgtagcg	attattagga	gaaggctgta	acgcttttgc	taaaatttta	cttattcttt	800640
cgggcactaa	tgaaagaaag	acgcgtccta	aagaaaggtg	ccctaagatc	aactcataag	800700
ctaacaaacc	taaagcataa	atatccgaag	cgggagaatg	agactcccct	tggcgttgtt	800760
ctggactcat	ataataagga	gttccgataa	cgctaggatg	tgctctctgt	atttccgtat	800820
cccaatcagc	gagtccgaaa	tctatgagtt	tgattttacc	ctgaggagtg	atgagaatat	800880
tttcaggctt	gatatcttta	tgtagaatat	tccgactatg	gaggtgctcc	aaagcttgag	800940
caatatcaaa	gataatatct	atggcttgtg	gcaaagagat	aaattgcgcg	aggatatact	801000
ctcttaaaga	gatecettet	atatactcca	tagcaatgta	gaggcaatct	tgccatttgc	801060
catagcgatg	gaacttaaca	atattaggat	gagtaatttg	atggaggctc	tgtgcttcct	801120
taagaaaatt	atagacagag	cgactcgtga	acgaggggga	aggagaaaaa	acttttatga	801180
ctgtagaatg	gcgtgtttca	ggatgtagac	catgaacaac	tctacttctt	aattttttac	801240
tcaatatttt	tttaacatga	tatccgccaa	tcacctgagg	ttcaggaaga	gggatgccac	801300
cacgacaatc	cataaatcca	atctttcttt	atacctctaa	aacgcgaata	cctagaacat	801360
ctcctagagc	gataatttct	cccctaccga	ccttagctcc	atctaaaatg	atatccacac	801420
cgtatgctgg	atggtttccc	aagctcaata	tacttcccaa	gttcaatttt	ataaattcac	801480
ctactgctaa	ggaatatett	gcaacttcga	ctacgagtct	actgtatcca	gggagggag	801540
ctgcggaage	ttgtggattt	tcaggaagag	gagggtcttc	atgagttagg	ttagggtaac	801600
tttccc	aaattctcca	gaggagggcg	ttaagaaacg	gccaccaaaa	aactgatgtt	801660
tttgcactgt	gagtaaagcg	ccgctttctt	cggtttcagg	atcataaaga	cagctatcta	801720
acacaacyda	Lyaccetggg	actacctgat	gccattcttc	ttgagttagc	tgagaatacc	801780
cyacticiac	ayaaagagag	arctgctgcg	cttgatctat	attatgaaga	tccgactcat	801840

catggagacc	tgagaaaaac	ttctgacaac	: tttggaaggt	atcttctggc	aataacagac	801900
gacatcgaac	atttttcca	tctaggcgca	gagaaatatc	tacgacttgg	aaagagcctt	801960
gcagacttgt	agctgtaaat	atagcatece	ctccgacttt	ggcagacaaa	gagggcaccc	802020
actggagete	ttcaaataat	ttacaggett	cggcgacaaa	ataataatgg	aaccctagga	802080
gcttatctt	ctcatagaaa	tatgaagcaa	ggctggcatc	atcaaatact	gctaccatga	802140
Ctaccatag	glellettet	gatgttagga	acaacagatt	ttctacttcc	caaggttgga	802200
tagatgaagg	- Ligiatiaga	agatgcacgc	cgaattcttt	cgtagcttct	acagcagtta	802260
tatattages	cacttootta	gaaacctgga	catcttcaag	tcgaaatttc	tçtctaattt	802320
gggaacttaa	assattatto	ggaaactcag	gagcagcaac	ctgctcctca	gtcttcccta	802380
ccataaagra	cctttataaa	cgagatttta	gccaacttgc	actagaatcg	gctgctactg.	
cttattttta	tttttgattc	cgtgcttctt tgatctcttt	cyattttata	agaatettgt	tctttatcgt	802500
atgcaatcat	atgtagagga	gtttgtacct	cttcaatttt	accate	cggatcgtag	802560
ttccaactga	gaattettt	aatgtgagtt	gatgacettt	taaagcagtt	actaaaagat	802620
aaagttggct	agggttattc	gttacaaggt	ctgcagette	taccatttat	accaatgaag	1802680 802740
caaaacttga	gaacttaacg	gaaagatect	gtccagattg	cactaatgta	agattagete	802740
caacaaaggc	ttcaggcaca	ctagaactag	catctaatac	caactctaca	aguttactcac	802860
cgttgatttc	tgaaatcacc	atagattcta	cagtagaaag	tatgatattt	tctatccact	802920
gtgtatcgat	actactaaca	gctatgggag	cgacttctac	aacagcttct	actuatocad	802920
ctgctgcgat	atctataaga	gacatacctg	caaaggcgtt	ctcagcaagg	caaaattcrt	803040
gagattettg	ctcttcctct	ttggatccta	cttcagcaat	ctcatcatca	actogortor	803100
cttcatcagc	aaattttcta	gattctgtac	gtgtatttcc	tttacttgag	attattttct	803160
cttgtcgtgt	ttgctttcct	tccaaagaaa	atacttttac	atcacgacta	tototaggtt	803220
caggagagtt	ctggtataca	gtgtgattgt	ctgttttagc	gctatataat	gattetgetg	803280
tttttttaa	ttccatgaac	tagcttcccc	ctgattcacg	ttttttttc	taacacaatt	803340
ggaaaagcag	ctgccccatc	tegtettgtt	ctttttcttc	agcgcgactt	cttctttgag	803400
agettette	atccattctt	ctttatggag	tcgtgttttc	tcttcttctt	ttctacgcrr	803460
Cgctaaattt	acttctgctt	tttcgagttc	tttagaagca	gcaagcacaa	cttcttttta	803520
tatatata	ttetettett	cttccgaaag	ctgtactgca	accactttaa	tgtacgattt	803580
tttttqqqta	acggcgtcgc	ttgttgtacc	ttcgtccaac	aaatcgcgga	gttgttggat	803640
ttattatat	tataaaaaa	taactttatc	gcgttcagct	tctttctctc	gtaatttctc	803700
atcottett=	totaaaagac	gtcgtttttc	tttaacaact	ttttctgctc	tatctacacg	803760
attraccoca	accyctaaaa	caggetetag	tggatatttt	gccacagcat	actactcttt	803820
atatetteet	ttaaaaacca	cagttgttgt	getgetteet	catagtttgt	cttttcgtgg	803880
cgatcagaac	ctcataaaccg	gttcaatttg ttctccaata	caatataggt	cgatagcaaa	atctatctca	803940
gctaaaactt	CtCttacttt	ccctatgatc	catcattatt	Cttcgttggc	tttatattta	804000
aggagtcggc	taatcgaagc	aagtacgtca	attocacoat	aataatataa	ttananter	804060
gcattggaga	gaacaatatg	cccgtcaaga	atcgatttga	Citcatcacc	aacagggtagt	804120
ttcatatcat.	ctcctgctac	caagacggta	taaaatgctg	taatggttcc	tttatcaaa	804180
gctcctgatc	tttccaatag	acggggtaga	gtggaaaaaa	ccaatagagt	atatectes	804240 804300
ctagcaggag	gctctccagc	ggctaacccc	acttcccgca	atocacoaoc	asatoututo	804360
acggaatcca	tcataagtac	gacagttttc	ccttgatcac	gaaaatactc	tgcaattgca	804420
greectacat	aggcggcatt	aagtcgcaat	tgcgacgatt	ggtcagaagt	апаваспаса	804480
attacggaac	gtttcattcc	ttettetee	aaatccccct	ctataaactc	acqtacttca	804540
caccccttt	ctccaataag	cgcgattaca	ttaacqtcqq	Cttcttcage	attettaca	804600
accataccta	agagcgaaga	ttttcccact	ccagcaccag	caaaaattcc	aatacgetge	804660
cecetagega	ccgtgagcat	accgtctata	caacgcacac	CCGtagacag	gatctgtcgt	804720
aatttegeee	tatgcagggg	atctgggggt	gcacgaaaaa	taggaaatgt	ttgatcgaga	804780
cccycaacg	gacctttagt	ttctacatct	atgggttete	ccaacccatt	gagaacacga	804840
cctaagaggc	cgtttcctgc	tcgaatgtgt	aaggggagtc	Ctotagggat	gacttcggaa	804900
gaaggactca	ctcctgataa	ctctcctaaa	ggagagagaa	aggcaaaact.	ctaaataaaa	804960
agaggaga	ctgttacgag	aggttccatg	ccgttacgtt	tcactaagca	tacttctcca	805020
acacgcacat	taggaactac	ggctttgatt	aacatgccga	ccacttctgt	aatgcggcct	805080
actuatura	taagattcac	atcaccaagt	tgtgacatga	gagtgtcgaa	atccgttgtt	805140
accoacaata	ctcccaaaccta	attgcgttgt	cataatcgtt	ttcacgctac	ttacagaggt	805200
tttaaggaag	tttactaaaca	gttctgctct	ergtgtaget	cgctgcacag	catattgtac	805260
acgattgagg	acctettete	tctcacgatt	cccatctcta	ccagagaagt	agagcaacgc	805320
ctcttcttta	tottottto	cggaggagac gagcatcttg	ttatatata	teager	ttaccgaacc	805380
ttcgttaatt	aaatctatga	tgactcctac	accttccasa	tactactet	cattcaagtc	805440
tgttgtctga	ctatcttcga	aagttgagcg	gaaatcccac	aggcgccett	tanactgtgc	805500
aatttgctct	tggagctctt	ctgattccaa	gacctcttac	aactcaccat	Castes	805560
agaattttga	tectgeatea	ttgccatcgg	atttggttta	aatccttcaa	Caarratast Caarratast	805620
					-aayyytCgt	805680

atctttagga gcagcata	ag atcccaaagc	aaatggagaa	atatctttt	ttaattcact	805740
tgctaagggg gtgccaga					805800
ggggaaacat tctacago					805860
ctagcccaaa ggacctgo					805920
agcaagagct cttgtgga		<del>-</del>		~	805980
gcaactttct agactctc					806040
catatgggta agagataa				_	806100
cgcactgagg cgttcttc					806160
tcctagatca tgaccata tgcgctatct tcatctcc					806220 806280
gtctgcttga aatactto				-	806340
aactgctcta gccattgt					80.6400
ttccatatac tgtgataa					806460
gacagtgcct tgtgttga					806520
agtacatacg ccgtctag				_	806580
catagatttc tctcctct					806640
ctgtagagct acatagco					806700
accttctcga agcagcgo					806760
ttgagctctg tcatgato	ctt gcatatcttg	ttctaaatct	aacagcggtt	gagaatttt	806820
ttcttctttc gctgtatt	tt ccatattaaa	catagaatat	ctacctaaat	ataaataatt	806880
aataaacccc aatactto	ggt tatttattgt	agtctatttt	atatttcaac	centecttet	806940
ctaaaaagat cgcgttag	ggt tgtatacttg	ttactgtcat	accatcaatc	acgtcccctc	807000
ttgtgaggat tctgccat	tg acaactacat	tgatacttat	ttctccgtat	ctagaatagc	807060
ctgtaacacg atagcgat					807120
ggagtaagac agcaaaat					807180
ctacagcacg gaacttet					807240
cgttcacaaa ggccacat				-	807300
cttttaacat ntgggttt					807360
gtatatttaa ataatcaa					807420
tgatgaattt cccaggtt					807480 807540
ataacaggat gttcatct atttcacaaa ggaaaggg					807600
tgacatgtcc gattaaga					807660
ggaactgatt gataacct			-		807720
cttctttggt atggaaaa					807780
caaacagggt aagaatga					807840
cttcttgggc ctcttgtc					807900
aatcgtctgg ggatagag					807960
aaaataatgt cgttccta					808020
tttttcgtcc ttcaacaa	atg acaccgtttt	tactatcgag	atcctcgata	agaatgcccc	808080
cgtcattacc gacagtaa	att ttagcatgtt	gatgagaaac	acttaagtca	ttaaatacta	808140
tgtcacaagt tgtaggat	cc gtacctaaaa	tataggtttt	tcctgagtct	aaatggaact	808200
ctgctccaaa tattagct					808260
tctacagaga tattttt					808320
aatcgaaata agtcttga	ac atgaaatggg	gatagaactg	cgctctttc	gttctcgact	808380
tttttaggag tttctttg					808440
tcagcggcac tgtcagaa					808500 808560
acaaaggett ettetget					808560
tctattttag agccttco					808620
tcatccctgg ctgtgtt					808740
ggcgaagtcc gttatct					808800
tcggagaatc ctttgcat					808860
aacccttctt agcaacti					808920
aagcatcagc aagctcc	tga tececaette	taattggatc	gctacttccc	tgatctttgg	808980
tcagcttttc cttaggc	ttc ggtgaatgat	ttgtttccga	agtttgccga	ggctcaagat	809040
cttttccctg ttcatta	cta tcggacaaat	cccctgaatc	attagaaaaa	ttttcttcgg	809100
gaatatcaaa atcataa	aca agatettgag	gatcaaattc	atctgataag	aaagaatact	809160
gattgcttcc taataaga					809220
cgccatttac aacaata					809280
tcttattgat aatggct					809340
cactagagte gegteet					809400
acaaggggcc ttcatca					809460
cctaggccaa gatctga	cag ccatgtetet	. gaaaaattca	caaaactctc	aacatgtcgt	809520

440 99121103				101	11170/01070
acaaaatcat catatgtagt	atccccagaa	aatctgcgga	ccatgacaac	attgccctcg	809580
gaatccaaac ctaaagcact	gcctcctgtt	tctctaccga	ataaattgcc	aatcatcatt	809640
tgcaagtata attttgctgt	atcagcagat	ggaggcaaag	ctcctaacga	agcacttaaa	809700
acaatttcgt tatcagcatt	ttgctgagca	cgcactttaa	ctacctcact	tataggcagg	809760
acataggete egteageate	taactcgaga	gttgacgtta	tacccatata	cgtggcaaaa	809820
ttttttatta atttttccaa	catactcgtg	ttttccaacg	cagcaatggt	tgtctttgtt	809880
ccctgaggaa tggaaacaat	ctcatttcta	aaacctgctt	tttcttcctt	taaatcgagt	809940
tatgccaata cgaactttaa	aaataaaaac	gatttcttat	ttgcagaaac	agcattgagc	810000
gcttttcttt gctcatcttt	ttcattataa	agaacaagag	gccacaagaa	aaatcgagct	810060
gaatccataa caagaataat	tataatctat	caattaaccc	gagcacgccc	attccctcac	810120
agacatcaga ggatattcgt	acttctaatg	aaagcttaga	gtattttcga	aagctgtata.	
tgtcaagcga tgaattaggc	attaaagcat	caatagetta	gaacggaagg	aatacgtggg	810240
gatgaaattt gcctctgggt	tatatgtgag	ctctttttt	cataaatttc	ccattgtttt	810300
ttcgcggcac aagttaacaa	aaguttuget	ttatttactc	cttctttggt	gcattgcagt	810360
cttttttgca cgcattcact	taggaaatet	atatetaaat	aaacaaaacc	tgtaggggtt	810420
totttccata aaaaggttcg	ateggrand	aaatcaaaga	caatacgttt	gggaatgcta	810480
gcaagactct cacaggaaag	accygadaac	cytyaayctg	attetgaaga	gccaaagaaa	810540
atcacatcat agggttgtcg gtgacttgtt gtctagagca	aaacgagagc	gtttctcgag	acaaggttct	atagggggcc	810600
gcgactttcc tattgatatc	caagtateet	accastagas	catguigata	taagtaggca	810660
tcgtagctga gtagaatttc	traaccaca	gattetates	taacttaata	ataggacttg	810720
ccgatgcgtg agcgatactc	cttcccttcc	tttagagett	tttmaaataa	accegggaaac	810780
tcaaaaggca actctctctc	tttacttcct	tttaaatagg	ctcgttttac	Ctatactta	810840 810900
atttccgttt ccccaaagat	caaactatct	ataccactoo	tracctraaa	Cagatgagta	810960
aaacaagaca aacctctatg	acqqtaaqqa	cgtattccct	gggatgtcaa	ttctgaaagt	811020
aaggcggctt gagcaatttc	aggactttct	gaataataat	aaagttcggc	togatgacaa	811020
gtaagtaacg ggataaacgc	tectectttg	cctaaaaaac	gctgtgcaag	gaaaagat.t.t.	811140
ttttcaaaag attgcagata	ttgaatcgca	cgctctcttt	ctttcaaagc	ggcttcacga	811200
taactgattc caacaactcc	taacaccata	agcacgattc	gataatttca	gaacagtatg	811260
aaggaaactt atactaaatt	tataaatgaa	aagtaactta	gctgtataga	cqaaqaqaaa	811320
attagaagcc atcaaataat	ctattttctc	tgctcattgc	gttttgaagg	cggttgccta	811380
teccatatae cagaggatet	ttacgttgct	ttaaaaattg	aaaggtaatt	ttgactacga	811440
tctctaggag aaatcaatga	agaaggcagg	cctatgtttt	gcagttcccg	tgttttgttc	811500
ttccttgatt aggaaaaaga	ggttcgggta	agatgcgttt	tgagctcctc	ggggagttcc	811560
aaggattctg tccttaaatg	ataagacttt	agcggatgga	tatgcagttt	aaagctgagt	811620
tcatgtaata gcgatacatt	cccaagacta	agatccataa	gtttcgtctt	agtacgaaac	811680
ttatatgttg agcttgtccc	ttttcttggc	gcaaaataga	taagcaatca	aaagattgtc	811740
ctatccgctc ttcttaaaaa	ttcaacaaaa	tatcacacat	ggcggcatac	acagaagcaa	811800
gcattette tttggeetet	cttgatcaca	ttcgtcttcg	ggcggggatg	tacattggaa	811860
ggcttggcaa tggttctcaa	aaagaggatg	ggatttacac	tctttttaaa	gaagtggttg	811920
ataatgggat tgatgaattt	atcatgggtc	atggtaaatc	tttaaaaaatt	tctgctagtg	811980
acaagcagat ctccattcaa	gatcaaggtc	gtggcattcc	tttaggtaaa	cttatagatt	812040
gtgtttctaa aatcaatacg	ggagctaaat	atacccaaga	tgttttccat	ttctctgtag	812100
ggctgaatgg cgtgggactc	aaagctgtga	atgcactttc	agaaatattt	tctgtacgtt	812160
ctgtaagaaa gaaaaaatac	caccttgcca	ccttccatcg	aggagttctg	caagagtcta	812220
agcaaggttc taccaaagat	cctgatggaa	cttttgtttc	ctttactcct	gatcctagta	812280
tcttccctga gtttactttt	aaccacgact	tcctaaaaga	taaaatccgc	caatacacct	812340
acctacattc gggattagag	accegattta	acgacgaggt	gttcatatct	cacaacggtc	812400
tcaaagatct tttcgatgca	gagattactg	ageceettt	atactctcct	ctttttttc	812460
aaaatgagga tttaactttt cttttgtcaa tggacaagag	actetteece	accitgaagg	aaatacggag	cgttatttt	812520
ccatagtaaa aggggtcaac	accettgacg	gaggaacaca	cctgactgcc	tttaaggaag	812580
aaggcattgt gggctgcata	acaataaaa	taggetagge	antitte	gacattcgag	812640
aaaataagct tgggaataca	cagattcggt	Cttctttaat	tasagatata	tegeaaaega	812700
ttgtacaggc cctacgtaaa	gataaagtgg	CtCctcaac	tottttagaa	aaggaagcga	812760
tcaatgagaa aactcgaaag	aatatccaat	ttataaaaca	agatettasa	addatadat	812820 812880
agaaagtcca ttataaaatt	cccaaacttc	gggactgtaa	attocattat	aaccatcaga	812880
ctctgtatgg tgaggcctct	tegattttee	ttaccgaagg	gagtetgeat	CCCCAtcast	813000
tettgettea agaaateece	tcacacaacc	tgtcttttca	cttcgaggaa	agcctatgas	813060
tgtcttttcc ttagaagaaa	ccaaaatgta	taaaaatgat	gagttatttt	atttagcaac	813120
tgctctaggc atcacgcaaa	acgagattca	gcatttacgt	tataacaaag	tcatcctggc	813180
tactgatgcg gatgtagacg	gtatgcatat	tcgtaatctt	ttgattactt	tetteetraa	813240
aacactcttg cctcttgtag	aaaataatca	cctctttatc	ttagaaaccc	ctttgtttaa	813300
agttagaaac aaaacgacta	cgctctacta	ctattctgag	caagaaaaga	tgcaggcgtt	813360
			-		

W O 37121 x	0.5					
acagcaattt	gggaaaaagg	actcctcttt	agaaatcaca	aggtttaaag	gtttaggaga	813420
aatttctcct	aaggaatttg	ctgcgtttat	aggtcctgag	atccgcctca	ccccagttac	813480
gattacctct	tragagagca	tttcttcgat	cttacaattc	tatatgggga	aaaatacaaa	813540
agagagaaaa	caatttatta	tggataacct	tattactgat	ttttaattta	tgcgtgacgt	813600
ttcagagett	tttcgaacac	attttatgca	ttacgcgtct	tacgtaattt	tagagagagc	813660
gattcctcat	attcttgatg	gcttaaaacc	ggtgcagcgt	cgacttctat	ggactttatt	813720
ccttatggac	gacgggaaaa	tgcataaagt	tgccaatatt	gcaggaagaa	ctatggctct	813780
ccatccccat	ggcgatgccc	ctattgttga	agctcttgtt	gtcttagcaa	atąaaggcta	813840
cctcatcgac	acgcaaggaa	acttcggaaa	tccccttacg	ggagatcctc	acgctgctgc	813900
ccgttatata	gaagcacgac	tcagtccttt	agctcgagaa	acgctcttta	ataccgactt.	813960
gatagctttt	catgactctt	atgatggaag	agaaaaagaa	cctgatattt	tacctgcaaa	814020
gctccccgtg						814080
		aacttttgaa				814140
attcactgtg	tttcctgact	ttccttcggg	aggattgatg	gatccctcgg	agtatcaaga	814200
		tgcgtgcatc				814260 814320
agtgaaacaa	atttgtcctc	aatctacgac	tgagactttg	atccgttcta	cagagaacyc	814380
		aaatcgatac				814440
cattgaaatt gcatactgaa	aagetgeeaa	aaggeteteg	taaggggagaga	atgetteect	agaataaggg	814500
		agattctcaa				814560
		tccaagaaca				814620
		ataagctcta				814680
		acctacatca				814740
		ttacaaaaca				814800
taagagatc	ctttccttta	atgaagaggc	atgcactaag	gaactgctag	ccatagaaaa	814860
		aagatcttgg				814920
		atggacactt				814980
taanacooca	aagacatcta	tcttgaaaca	acaaacctta	atttaaaaaa	ctaagtttat	815040
ctaaaaaact	tctgattaat	aagagatggt	aaaatatttt	ctttttaaat	tagaattaaa	815100
		tgtagtacgt				815160
ccagagactc	caaaagctcc	tgacgtagaa	aagcctggtg	tacctgagta	catgacgatg	815220
gcaaacactc	ctaccttcga	gggtcctgta	aaaactcttg	atcactacgc	cgagctctta	815280
		gaagggcaaa				815340
taatttcaac	atttgggctt	gtacataagg	atatggaccg	agcacaaaaa	gcttctaagc	815400
gtatgagatc	tgtctataaa	gagcagtaat	gtcgtttacc	tatttcctag	cgcttcccgt	815460
		ggttcctctg				815520
		tcattgctga				815580
		tagagcaatg				815640
		gttcagacct				815700
attcgaaatc	ttgactttga	acgaccttta	ttgcgcccaa	aatatctaaa	aaattgcttt	815760
acaaagacac	tcgcatcttt	cccttgacta	aaaattttgc	ttgtcaaact	gccatcgaag	815820
		gctacatagg				815880
		tttttagact				815940
tctaagattc	aaaaagagac	tetttette	aataaaatcg	ctagateett	aactgattcg	81 <b>60</b> 00 81 <b>60</b> 60
atattaaact	agtaaagaaa	gttatcaaga	tttcaatgaa	aactgtgact	tcctttactg	816120
tatgtaaaga	aaactcgggg	cgtttagaca	agraceryae	coasstant	ggggaaataa	816180
ctcgagettt	ctaccaagaa	catatcttaa	gradietact	cactatacat	atccaagaaa	816240
					tatgaggatg	816300
aggaagaact	agtgatgat	aaacctcggg	atateeteet	ccatccage	cctggtcatt	816360
					aaggaagaat	816420
					acctcgggat	816480
					ttttcaacca	816540
agcggttaaa	gaaaagctac	ttagcagttt	gtatagggaa	acctaggagt	actacgatcc	816600
atacacatat	aagccggcat	caaaacaaac	gtaaagaaat	gactgtaagc	tctcaaggaa	816660
					tttgttgcct	816720
tgtctccaga	gacaggaagg	acccaccage	ttagggttca	tatgaaacat	ttagggactc	816780
ctattcttgg	ggatcctgtg	tatggaatcc	cctctatgaa	ttcgagttac	ggtcttgata	816840
aacaacaatt	gcatgcctat	agcgttgatt	tcactcatco	agaaacccgg	caattttgtt	816900
cattaaaggc	gggtttacco	gaggatatgo	gttccctctt	. aataaaagaa	ttccgcaatg	816960
aaacaactat	attaaataaa	aatttattgg	aatcgatttt	. aaaagaacaa	taattcatta	817020
aaaagttcat	ttattttagg	g aaacgcatta	aaattaatta	aaattgaatt	tcattttta	817080
					atttttagcc	817140
tatatcatta	agaatctagt	ggaccgccct	gaagaagtco	: gtattaaaga	agttcagggg	817200

_						
actcacacga	ttatttatga	actaagtgta	gctaaacctg	atatcgggaa	gatcattggc	817260
aaagaaggco	gtacgatcaa	agcgattcgt	actcttctgg	tttctgtagc	aagcaggaac	817320
aatgtaaggg	tcagtttaga	aattatggaa	gaaaagtagc	cttaagccta	gcttaagtac	817380
ttctcattga	aattgctagc	ctaagggaaa	ccgaaggcta	ccacttcaat	aaaaaataat	817440
tgcacgcata	aagataaact	cggaccgagc	aggactcgaa	cctgcgacca	ttcgcttaga	817500
aggcgaatgc	tctatccact	gagctatcgg	tccctattct	totacaacct	taggatatta	817560
agcacgaaag	cgagcaaagg	aaatccctca	atcagtatag	gtctaccaag	aaaaaaatca	817620
attctgacac	aagattttct	tgttccctaa	agaacttctt	tcaaagctat	ataaaaacc	
aattccacct	ccttacctot	aattttatag	gtaaaattaa	ggaggaggtt	acadadagcy	817680 817740
ctccgatctt	ataacctgga	aagttagaac	caaaagttgc	tttattctaa	ggactgtatt	
tcatottcaa	taacaaaatg	atcctaattg	ctaacageege	tattattaaa	adaaggatgg	817800
ttacattgga	aatcgcagg	aaattacagt	ccatactors	cacttatta	ggggaagata	817860
aatggtttt	taaaagcagt	taccacaaac	caatacccgc	ttaggtagg	gateggatee	817920
aacctaattt	uacadaggage	tacgacaaag	ttaaaccgccc	cccccaaac	tcatttcgag	817980
ggattggttac	agatgtggga	ttgcgcatcc	cegecaaage	caaagaaact	tttggcgtgg	818040
teetteaar	agatgttta	acgcctcaag	acgettaege	ggctgccgaa	gtctgcaata	818100
ctaacastat	accigcytto	ctctgcanac	aaaccgacct	cctcgttgca	actgcagaaa	818160
coggogotat	agradattia	aaaaaagggc	agtttetete	cccttgggat	atggaaggcc	818220
Caataaataa	agtactetet	acaggaaata	acaaaatctt	acttacagaa	agagggtgta	818280
getteggtta	caataacctt	gtttctgata	tgcgctcgat	tcctgtttta	tcccgttcag	818340
gatttectgt	aatttttgat	gccacgcact	ccgtgcagct	ccctggagct	ctatctacag	818400
aaagcggtgg	tctgacagaa	ttcgttccta	ctctttcacg	agctgcttta	gctgcaggag	818460
ctcatggcct	ttttatagag	acccatacca	atccaaaaat	cgctaaaagt	gatgcagctt	818520
ctatgttgag	cttagaagaa	ttcgcagctc	tcctccccac	ctgggatcaa	ttatttactt	818580
gcgtcagttc	ctttgatatg	gtctcagcat	gacaaaattt	ctatactgcg	ggctctttta	818640
ttctctagga	ctacttgtct	tggcttttgg	gactatggta	gccattattc	aagtggacca	818700
gatttgcgat	gtttcctgta	tgaacaagca	cttccaagaa	tcccccctt	ttttaaaaat	818760
aaaaaaggtg	aatgtctcca	aacaaatttg	ctctcctgaa	gaacgattct	tccattgtaa	818820
aattgataaa	tcgtgtatgg	aactgcattt	tcctcagtct	agttattcct	gtaaagaata	818880
cctcacccgg	atctcagggc	atattctaac	acaaaatttt	gaaaagcaaa	tgcaattccg	818940
aggaaactca	ggattactaa	attaccaaga	tggttcctta	catgtgtatg	actoccottt	819000
ccaagtagat	cctgtacctg	ggtatgggtc	tccagataag	gaggagagtt	cttcaggagg	819060
tatgaaaacc	ctctatttat	ctttattcag	gaattaagcc	tctatgccta	tactttctct	819120
gtgtaatctc	gtaaagaagt	ataacaagaa	gcccgtgaca	aatgatgtgt	ctttccaaat	819180
caaccccggg	gagattgtcg	gcctactcgg	ccctaacgga	gcaggaaaaa	caacagcatt	819240
ttatcttact	gtaggcttaa	ttcgccctga	ctctgggaag	attatettta	aaaatotooa	819300
tgtcaccaaa	aaaactatgg	accatcgtgc	acqactqqqa	atcogttatc	ttactcaaga	819360
acccacaatt	tttaaagaac	tcacagttca	agataaccto	atttccattt	tagagatgat	819420
ttacaaagcg	cgtaaacaac	aatcccatct	tttaaacacc	ctaattaata	atttqqaact	
aggttcctgc	ctccataaaa	aggcaggaac	cctatctgga	addascasc	accegedace	819480
gatcgcctgt	gtattagett	taaatcccag	catattatta	ttagatgac	gaagartgga	819540
totagatect	ctcgtcattc	aaaacgtcaa	gtacctaatt	anattetae	and and and	819600
aatcggcatt	ctaattacag	atcacaatgc	taaacacctc	addattctag	caggacgtgg	819660
ttatttgatt	attgatggga	agatcttctt	taaagagccc	tassassassassassassassassassassassassass	ctgataggtg	819720
ccctataata	aaccaacatt	agatttttt	cyaayyytet	tcaagccaaa	tgatcagtaa	819780
atctctagge	aagcaacacc	acctgggaga	tatasassas	tactaatgga	tctcacaaaa	819840
atcttcttct	addayagcyc	tactgtattc	tytaagaate	cttgctaata	cctcaaagcc	819900
aaatgtattg	casatacete	ctcctggttt	gacteetege	tcagctaatt	taaatgcctt	819960
acceteetes	caaacacgcc	ctgtgagtct	gatgeceaca	ccctttaagt	tcattacgga	820020
atatccacco	tagggettt	ttaaggaaag	treacaagca	gtaactgcaa	agagaatttg	820080
gatgatgaga	atagegeeeee	ttaaagtgtg	taaatgtttt	gcgatatcta	taaatgtagg	820140
gacyactata	gragigrace	tacgagcatt	cagccgcatc	atggtcccta	tagaacatga	820200
tacattacac	ggargrgaag	gatcataccg	acaagcatca	ttgaaacgcc	cttcaggaca	820260
etectragge	Littgacaat	aagaaaatcc	taacaaaagg	attctatgag	gacgacgcat	820320
ggcctcctaaa	acateceteaa	tattactaca	gccataaaaa	aataggttgc	cctcctgtaa	820380
againte-t-	ggagctatca	aagccttagc	taaccgagct	aaagaaccag	gatctttcag	820440
aaaatcatag	ycaagctgtc	tagcatcttt	taaagaggcc	agataagcaa	gcgtcttcat	820500
acgcagaccc	cgtcttgtag	Ctttagtaat	ataaggaata	ttaggtttgt	gctctggtct	820560
agacataaat	acggaatcat	aacaattagc	aacggccgca	cactgccacg	aagcacaggg	820620
gcagtcacac	aaaaacccta	gaagcatttt	ccatagetea	gggaatggca	atattttaga	820680
tagtatacag	cctgaacgat	aatctaatct	agtagaggtt	catcatcaga	gaggacttcc	820740
tetgegattg	ccttgattgt	agtgagacct	tcagggaaac	ctaaactaca	taataattca	820800
tttacatgtt	ctaactctgt	agtcagctgg	tcgttgataa	actccaagcg	adcdadttdc	820860
tgttgcatat	gagatgttgg	atgcataaga	cccctccgta	acgattcata	aagaagagga	820920
gcgaaaaaca	tgccaacatc	tccgcaagat	taaaattttt	ttaagattta	gaaatccaac	820980
cctagaaatt	gaagaactat	cctgtcaggc	ttcgtgctaa	acttaagtac	atttgattta	821040

aaagctgtag	agaagtcgcg	actacagtcc	actcctgctg	catagaagtc	aggtgcatct	821100
gcaaatctaa	ctggaagttc	tgtcccatat	ccgcaaaaga	ttgctggtct	gactgtattg	821160
tagattgcag	tgggaacata	ccccattaa	tcatatttcc	tactaacccg	gacactaaag	821220
cttcttcaag	aatctgcaat	cgcgcttgcc	attgctcttg	cccctctta	acttcaaaag	821280
ttcctgctac	agaacctcca	gctatagaca	aaggctgtaa	gtaattttgc	aataacacta	821340
	gatagaattg					821400
	attcgtgatt					821460
	tccccgtgtt					821520
	agcgctttct					821580
	tcccacataa					821640
	aataatggaa					821700
	atttagataa					821760
	aagtaggggg					821820
	tgttttcata					821880
	attttctgat					821940
	ggcgtttgtt					822000
	caggatttga					822060
	acttgagttc					822120
	ttttatagat					822180
	agcagcttta					822240
	aaaataagcc					822300
	cactcattaa					822360
						822420
	cgggctgttt					822480
	agatcaattg					
	atcgttcctt					822540
	aaagccgcaa					822600
	tttctagtca		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			822660
	cgttgtaatc					822720
	gcaatctcag					822780
	atgtctttga					822840
	ccatatttgc					822900
	gctcgttgga					822960
	tctgttaaat					823020
	acatctttat					823080
	ttaagctcaa					823140
	actccagatc					823200
	gaaagaggtt					823260
	acttcatatt					823320
	aaaacttcga					823380
	atatgttcta					823440
	agttttttat					823500
	agaacagtgt					823560
	ttcgtcaaat					823620
	gaaaagcttc					823680
	tttctatgtc					823740
	gaatcatcaa					823800
	atttagaaga					823860
	cagaaaatac					823920
	. cttggacaga					823980
	aaactcccac					824040
attgacggag	gtctagcgga	attagtggcc	tccgttacag	aaattgatct	cggagcttta	824100
tccactatat	ccacagttcg	tcagttaatg	gcgagctacc	teggtttgae	aactctaaca	824160
gctgaacaag	, aaaaggttgt	attttccagc	tcctatgttc	cttcagaaaa	aaatctcctt	824220
gaacatgtaa	a aacaagaaaa	agctgctgaa	atccaagcta	agcaagaaga	aataaaagca	824280
gtattagaag	g ctaaaggagt	ctctactgaa	gagatcgaag	cgatacttaa	ggaatatcct	824340
	g cagcagattt					824400
gcaaaagtcg	gtgcaccgat	ccaagagatg	aatgagaacg	cgattcagct	gcttcctaca	824460
	a tcactcctga					824520
	g ctatagatga					824580
	a tactacaaac					824640
	ttatttacac				_	824700
_	a gacaaattgo	_				824760
					gctagaaaca	824820
					tcaagccaat	824880
•	=	=	-	•		

gcacttaaca	tagccatcac	taataaatat	atttctgctg	tacttacgac	ttctatggag	824940
atgtacggag	gtctcctttg	cctttcttat	atgtacgaaa	ggttagccga	tgatgaaaaa	825000
gcaatttttg	acaaaagtgt	gaatgagtat	ttaccgattc	acatcgttgt	tggtggttca	825060
tgggtaaatg	gctggatagc	aaaaatggca	gcctatcaag	aactcgcgga	atactcttta	825120
ggaaccgcag	ttacaagtca	agatcaaatc	aaagcttatt	tacaaacacg	agggaatgag	825180
tttaaagcta	cgcgtcattt	tttccataat	attggggatc	aaatgtacca	atttgctaat	825240
gagactgtct	ttggaaattg	tcttacaaca	gcaaatggtg	cgatacagcc	cgatttaggt	825300
ggttttatca	gagaagcaat	gacgaatgtt	ggaactgttg	aagccgatta	tgtaagcaat	825360
gctcagagga	tcctaaatga	atttaatacg	gctgcaactg	cgcatgtttt	acaattacaa	825420
ttacaaatag	ctgagttaca	aaagaaagca	gatgacttag	acccaggaaa	agcctcttc	825480
actgagaacc	gtaaatttgc	tgttgccgct	ttggatcaca	tcggagagct	taggagatgc	825540
tttaatttct	atgattttna	actctcagct	accaaagcaa	gaggcttttt	taaaaccttt	8.25600
gatcgaagaa	attaacttca	ataacctcgc	agcgaatgcc	ttaaacagct	tgctacagat	825660
taccaatgaa	ttttctacga	cttctgtcta	ctatagcctc	tcttcctatt	tagttcagag	825720
taaaactgga	caaaacctgt	ttgctggtga	ttactatgaa	acacttctag	ctgcagctag	825780
agaacgggag	tatatttatc	gcgacactgc	gagatgtaaa	caagcgatta	atctagtcaa	825840
tggacttctc	caaaaaatta	actctcttcc	aggggctacc	tcagcacaaa	aacaagaaat	825900
gcttaacgca	actacctatt	atcaatacag	cttatcagtc	actttaaacc	aacttactgt	825960
attagaatct	ttactcgcgg	gtctcaaaat	gactcttcag	acaactagta	ataacaaata	826020
cgacaaaagt	gtgtttaaaa	ttgaaagttt	tgatgactgg	attccaactc	tagctgcttt	826080
ggaaagtttt	ctaactagtg	gattccctaa	tatcagtgcg	acaggaggcc	taggtccttt	826140
atttacccag	gtgcaatccg	atcagcaaac	gtatacttct	caaggccaga	cacagcagtt	826200
gaacctacaa	aaccaaatga	ccactatcca	acaggagtgg	acattagttt	ccacatccat	826260
gcaagtatta	aacggtattt	tatcacagct	tgctggtgcc	atctattcca	actaattgca	826320
tccttaggag	tttttagagc	tcctaaagga	tcttttcttc	tcctttaccc	tatacttttt	826380
ctttatccat	ctgcagctta	gaaagaacat	ctcctaagct	gctgatcaat	taacaagatt	826440
ggaatcaatc	atggaagaga	aactctaaaa	aagtatagag	gaccttgcaa	accattctct	826500
aaaatcaaat	aaaagcttag	aaaagaagtt	taaaactggt	gtcttttatt	tattgaagat	826560
cgttctagtg	tgttggtaag	gcctcaacaa	aggccttacc	aaagcacata	ataatctctc	826620
caaacgaaca	cttaggtgtt	gttattggag	ataaccagaa	tatagagagc	cgatattgac	826680
cagcacctgc	tgaataaaca	aggagttcgt	ttcaaaggaa	agtgctttta	tttcagctgc	826740
tgtcctagat	ccttcagcaa	acaaactttc	taatttagct	atgaacttct	gtgtagagtc	826800
attagaaagt	tgcacataag	gatagccaaa	ctgtggaggc	tttgtcactg	ccgatgtaag	826860
cttttgtctg	atctcctcat	tattcgcttg	aggattcgac	tggatgatct	gcattacaga	826920
ttgtagtgcc	gaaacttgac	tatagacatc	tccaagagtt	ctgctattgc	cagaaatcac	826980
cctagcgagg	gcttgatctg	ttttttctgg	tcctcgagct	tctgttcgtg	ctctaggaac	827040
ggatcgtgtg	agagcggggg	tacttacatt	gtttatcaca	tcacgagtcg	catcatttcg	827100
tgccctacca	taggcatcat	tgatggattt	gtaagcatca	taacctgctg	atatctgtgt	827160
cccacacca	gaacctgtag	attttgaggt	cttgtaaagc	tggtttacag	atgaccctat	827220
agaacttgct-	gcagcgggag	gaactcctgc	gctcacaaac	agcagcagaa	gcgatctgtc	827280
totaaagcato	gagtatgcc	tgttgttgcc	cagctttacc	tagagccgct	tctaaagctt	827340
cttgtgctcc	tgccagcgct.	gcagcagcac	tgtcatctcc	agcggctttc	gctgctctag	827400
cetytyttyt caatcatctc	gagctcctgt	cgggcagctt	gagaatcagg	attttccgta	ttgaacatgt	827460
acadcateda	acgaaaccca	gacatcaaaa	tggaageggt	ctcattttca	gcatcatcta	827520
tagttcctgg	aacacgaata atttggaaca	traccaatac	cacciccttg	cottggag	cctccaactg	827580
cagectgtat	taccatttet	tecagaaccat	cogcaggici	gatattttta	agatettet	827640
gagetteage	taccatttgt tatttgtgtc	ttagcagteg	casttactac	tttagates	adctttttt	827700
ttatactort	attagattta	ccattttcta	cyattgetge	cctagetgaa	tctatgttgc	827760
atgcatccct	aatcgcattt	ccatctttct	ctatototot	cactata	totgcaaaat	827820
caactaaaga	ttgagcaatt	acadacattt	tractoras	tactorate	tetgtetgat	827880
ctttaagaag	ctcagctgct	ttattattat	ttactacaga	ttacegggtta	cottgcatet	827940
agaggtcgaa	ggaagtcagt	ttacctaaac	agtcaaga	casttaatta	geageetgta	828000
atttcgctaa	ttctgtaatt	tacacaccaa	ctttaactcc	atcoggetta	ttagtttag	828060
actccgcagc	gattgcggtt	tcctcatcac	tagggggtgt	atcotttata	ttagtgaaaa	828120
catcctggag	gctcaccaaa	gcagcctgta	totcacctac	tgatgttgag	gtaaagataa	828180 828240
tatcgtaagc	tgtttgcgct	tgagtcttat	aatcatcaaa	catagataas	ggaggggatag	828240
gtgcggtcgc	tgtcgttgag	tccacqtctq	cagatetoct	agtagaagag	gagetettee	828360
tagaagcaat	acccagetta	tctgccagac	tcatgagagg	atteactors	gaacucaaca	828420
tgctccatcg	ctctacagaa	tcggtcttag	attctttagg	cttagettee	gcacctgcta	828480
ttctttgagc	ttccgcactc	ttatttgctg	cactcacctc	caatcettga	gcagaaaga+	828540
ccgcgggagg	tgtgcgttct	gtttcgtcta	taggacctgg	accaatagga	ttaaccataa	828600
aaactcaaaa	aataataaaa	atcttttagt	tttattataa	aaaataaaaa	aaaagetete	828660
actaataatt	aatgcgagcc	tgtttttaaa	gattttatta	aaatttgact	taaaacocto	828720
				2		020,20

```
828780
adattatacc tagatcaaac tttcggaaag taaaatcact gccgagttta tcgtttgctg
                                                                     828840
gtttggagta agccccataa gctctgaatg atagagaatc tgtgatgcca tacatatata
                                                                     828900
gagcggaaaa tcctttataa tttgtaaaac cattagcctc tttaggatca tagttagcag
                                                                     828960
caattgcttg ggcgaaccaa aactttaata aattaccacg gccaatccct gaaacatcta
tttctggaac cgacaaggct tcgacatact cataacgtac tgtggcagac cagtctccag
                                                                     829020
cttttctgag tccccctaaa gttcctccaa taaaccaagc taggttttct tttccattta
                                                                     829080
acgtagtctt cgtagccttt gctaaagggt tcattaagaa agctccataa agatatagag
                                                                     829140
gctttttctg tccattgatc caaggaacct gactatgctt tccgacgagc cactgccaaa
                                                                     829200
cacagtattt gtatttcata gcgtttgtag cagctttttc tgtagtggag gtttctgaag
                                                                     829260
gaacgaatgt gttccagtcg acaacactac atttcacaaa aaactgttta ggcaaacgat
                                                                     829320
tgagaatccc ttctacaacc caagcataat gtttttttgt catgttcacg acgaaaggac
                                                                     829380
                                                                     829440
ctccatgaac aatcacttga taaggatagt ccttagaaag ttctcgagtc caatatatat
                                                                     829500
gtagtccgtc aaaattactt tggaattgga cttctgactc aaagagatct cctaaaccag
                                                                     829560 -
aacgtccgat ttccataaag aaatctgtac gtgtttcggg attcttataa aaacgatatc
                                                                     829620
ctagaaatgc tctgttgata tcaacaccag ctgcagtgtt ttcccctcct gcaattgctg
                                                                     829680
tocaattcat ctttgaagac agccagttcc tctcagcgcg ataatcaata tagagataaa
attcactacg ataacgattt actggtaagg gattgtattt atctttatct gaggggtttt
                                                                     829740
tgatatette tetgaaatae aaceaeeggg etetaaeate teetgetatt ettaaaaege
                                                                     829800
catcttgctt tcgcgtttct acaaaacccc gtttacttaa gtagtctttg acttcgtcta
                                                                     829860
aagttgtata agtgtgactt tttacttttt gttccgagag aggaagttca gcgtatcctg
                                                                     829920
aaattgtcag cgctaaaaga accacactcg ctaaccattg atatacctgt tttttcatag
                                                                     829980
tatccttagt atcaatatta agtgtagaaa cagaagacca agcaggctat caaaacttaa
                                                                     830040
agctaaaaga aagcgactga gctacaagaa acaaaacatg attaattttg agtgtcttgc
                                                                     830100
                                                                     830160
atcacgtgtt gtctttgcaa aagaccccgt tgcccacgcc agtattcaaa agaagccaaa
                                                                     830220
ttaataaqat cttctactcg aagcagtttt gcaaaaccaa acaaaaaagc caagaaaatg
caqctctcaq ataaaaaagc aattgcttga gccgttatgg aggataaggg ccaagcaagt
                                                                      830280
ggtgtgaggg ggtttaagaa aattacatat gtagtttgcg taaggatatt taagcctaga
                                                                      830340
                                                                      830400
gtaatcatac aagcaagcat agtggttccc ataactttta tggaacgccg gatgctctcc
                                                                      830460
caaagtaact tagagtacat agggagtett ttegaagaat aataccagag gaaatataac
                                                                      830520
tgcacccaag cagttatgga tgtagcatag gaaatgcccg agacgtcttt taaaacccaa
                                                                      830580
cgacctagaa ccaagcttaa aacaatattg gccaaagccg taccgattcc tataaagagc
                                                                      830640
ggaacagcat actgccgctg tgcataaaaa agaacagaga ctaaaggagc caaggccata
                                                                      830700
gggataatac tggcaccata acctcgcaat acacgaacaa tagcgtagac agcactctga
                                                                      830760
gggaaaagtc cgtgttcata aaggacacgg actccaggta aagctaagag caatagccct
                                                                      830820
gctgtcataa tgatcattac ggacatggtt agggtgagaa cgaacttcat aagtttcaat
                                                                      830880
cccctctcat gatcttctcg ctgtacacaa cgagaaattg ctgggaggag aacggtaaac
acaccaaagc caaagagatg tatggggagc tgataaatct ttaaggagta cataagatat
                                                                      830940
agagggccta tttcatgtac atagcgagcc aagcagatat cagaaagaag gttcagctgg
                                                                      831000
aagatgcttg aagttaaaat acccaaagat aagggagcta ataaagctca aacactatcg
                                                                      831060
tgttcttgag gtgggctctt cgcttctaat agaaatttcc atactccagg aaccgtgatt
                                                                      831120
                                                                      831180
aaccattcga agaaaaaccc gataactaga gccacggata aaccgataat acgctctcta
ggatctgaat gacgagccgc tataacaaag aaaatccaaa tgatatttac aactacggga
                                                                      831240
                                                                      831300
gctaatccca ccccgaaaaa cttattttca cagtgaagca aagcgccgtt tacattgtac
atcattaaga aaatgccaca gggcaagagt atcatagtaa ggagaatcat atcgtaagtc
                                                                      831360
                                                                      831420
ccctcttcaa cgtattgaag aactacccac aatactgctt caataagcag agtgaatata
                                                                      831480
atagtgctgc ctttaatcaa tctagaaaag cgtcggaaaa aaaacgccgc acgatcgaga
                                                                      831540
ctttgagcac ggagaaattc aaaatgaggg atgaaggctt gttctagaat gagccctcct
                                                                      831600
aaaatttttc ttaagaaaaa aacagtacgg aaacctaacc agaaagcagc tacaattgga
                                                                      831660
tcagetecaa aataggttge cattgeaatt tetegaaata teeetgtaat aegaetaeag
                                                                      831720
aaagttccgg ataatatatt aaaaattgaa cgagctaagg aaacctcatt gtctttctg
                                                                      831780
ctcattaaac cgttttcccc tcctccttta aaacaagact atctcttcga catttccccc
tatacttctt cagaaatcac aattggagga agctatttca agctaaataa agcatcttta
                                                                      831840
cagageteta cattgegttt gagaageata agtateattt cataatetet atgatatega
                                                                      831900
                                                                      831960
catagaaaga agcctttgtt tcataacacc gtaaacgata cctgtcagca gcttttttct
                                                                      832020
atataaaact gatgctttct tcttataaaa agagcttttt atggatgatt ctttaaaata
                                                                      832080
tattttttct gtattattgc gatactgcgc attcggtttt gttcaaaact caagaatatg
aaattctgtg ggggaagaca tacgaaagtt attattaaaa tttttgaaaa attgaaaaag
                                                                      832140
                                                                      832200
cctcaagaaa tgagcagctc aatcaaagga cctaggtttc ctctgaaact gggtagttaa
                                                                      832260
gaaaagacct tgaaatttta tgaaagtact tcctcctccc tccattccct tactaggggc
                                                                      832320
teacaettea aetgetggtg gaeteaaaaa tgegatttat gaaggeeggg atatagggge
ttctacagtt cagattttta cagcaaacca aaggcagtgg caaagacggg ctctaaaaga
                                                                      832380
agaagtgatt gaagatttca aagcagcgct caaagaaact gacctttctt atattatgag
                                                                      832440
 tcatgcagga tatctgatta atccaggagc ccctgatccg gtaattttag aaaaaagtcg
                                                                      832500
 gattggcatt tatcaagaaa ttctggactg catcacttta ggcatttctt ttgttaattt
                                                                      832560
```

tċaccctgga	gcagctctca	aaagctctaa	agaagactgc	atgaataaaa	ttgtcagcag	832620
		tatttgatag				832680
		taattgggag				832740
		ccattggcgt				832800
		cacaggggtg				832860
		gagcctttca				832920
		cccttggaga				832980
		ctagaaaaat				833040
		ttggggaact				833100
		tagatecega				833160
		agttggcgtt				833220
		ctcacaaaca				833280
		aggagataca				833340
		agaactttcg				833400
		cttttaagag				833460
		ccattaacta				833520
		aagcccatac				833580
		gcaacatttc				833640
taaccagctg	cttttccata	atcatgccgt	agcaagcttt	aagcttctgt	ttctcttcca	833700
gttggagccc	atagtcagac	tttttcttc	tctgcatacc	atgttgacct	ggaggatgag	833760
gcttctttaa	caaaggattt	cggcttctgc	caaagatgtt	cgcaccaaaa	cgccttgcca	833820
		tatcgagcca				833880
		ttttcatcct				833940
		aaataaaacg				834000
		attttctaca				834060
		attatgcact				834120
		tacacaaaaa				834180
		gtatcaatgg				834240
		aagagcgtcc				834300
attaccaay	gaaaacaccc	ttcctaggat	cacagtaaag	Lategaaaag	aacttgctgc	834360
		tttccaaaca				834420
		gttgccttat				834480
		cgactctacc				834540
		aagaatgtga				834600
		agctttactc				834660
		gtgtcattgc				834720
		ttgatgatcg				834780
		aatgttgtca				834840
		atgctctatt				834900
		agtgctctca				834960
acgaggaaat	aagccttttc	gacgtgctca	tttgtgtgag	atcagcgaaa	acagtgaatc	835020
		aatacctatt				835080
		aacacatgtc				835140
		tccagggcat				835200
		tgtcggtaat				835260
		tcatgcatag				835320
		tgttcttgaa				835380
catcagcatc	ggtgtctaca	aagatcctaa	tatccataag	atctctaagt	tetteattt	835440
Савадассад	aatacettea	acaagaataa	ctttagatgg	atagatcatt	tetatetee	835500
ttttagatca	attacctasa	acaaaatcaa	aaactagagg	ttagaccgcc	testeteeg	
ttagacattt	tateteteaa	attaataagt	Cattatona	gagatagaga	trattattt	835560
ttaaattaaa	acettettea	accaacaage	caccaccaaa	ggcgcccgga	cgatcccaaa	835620
acata acat	acguictuca	ggagtataat	gagatetate	tttgtaataa	ttatcttggc	835680
agacaacacc	cacatectea	ccgaaaattt	Ctttaatgtt	ttgggttagg	gtggttttcc	835740
		attccaataa				835800
ctccttagta	cttctcttgt	aatcagcaca	caacaaaatg	cgggtccttt	gagaatttat	835860
tgatttaaaa	ggagacaaaa	gaaaaagctt	cgtgatcaga	aattgaaatc	tttagatata	835920
gccattttct	gatcacgaag	tttaggatag	aattctatcc	aaaaaaatat	ttcatccccc	835980
aataaacaag	ggatgttata	caaaacccca	attcacgtat	agatagattt	aaaaaagcaa	836040
aaacactgtc	agaatgcctt	ataagaacga	tttacggtat	cttagatgtt	tcctaaagga	836100
gtacaagact	ccttatgcat	gaggaaacac	tagagtataa	atcactcttt	ttttcccttc	836160
tttctgaaca	agttgtatcg	gatgcaagtc	gataccttgt	tcttgtagta	tgġatgtaaa	836220
tctctctaca	ttcttgggta	gtcccaaaca	tacaacactg	acatcaggaa	atttttcaa	836280
agatgttttc	aggtgatttg	cttgtagaac	agcccaggca	tcttgggcct	cagaatcgtt	836340
atctctaaca	ctagagacaa	ctgtgggaac	acaccaagac	aataaccacg	ctctccatcc	836400
				_	<del>-</del>	

tggcactaat	ttttggtcga	gaatgatgac	tctgcttctc	actgttttgg	ttagagcagc	836460
				aaataacatt		836520
agactggtgg	atttttaaat	agtaacctag	ctgccgtctt	aatatgatac	ccaacaacag	836580
gcgatagacg	tgttctctcc	atatccataa	tgtccagata	gagacagcga	gcacaaacca	836640
				ttacttccca		836700
				ttattggcag		836760
ccctctctta	tgttccgggc	ttgcatattg	tacataagca	tggagaggca	cttgatacac	836820
cccaccaaga	aatcccagtg	cgagtaaaaa	aaacaacacg	aatagtatcg	aaçaagcaaa	836880
ggcatacagc	cccataaata	cgagagctag	gccgatagcg	gccaaaggga	cgtatcctat	836940
tttgatatct	tttcctgaga	ttttcccggt	gatgtacgac	cccgtgcċta	cacctaacgc	837000
cactatagga	aacaagtaag	cgccataatg	cttaggatat	tttaaaataa	attctacaaa	837060
agggatgatc	tctagctgag	tataagcacc	tatcaataag	aagaaagatc	ccaaaaaaat	837120
cgatacagtc	aaataatgaa	tcatccgggt	atctttcaaa	actttccata	aatctttgaa	837180
actcaccaag	gtgattttct	gtttcacatt	tttcacattg	ctaggtcgga	tacagaagga	837240
				gtaggccaga		837-300
tacacctaaa	cgatgagtta	catcgacaag	aagaggagca	aggcaagaac	ctaaaatact	837360
tcctgtatag	gtggctgctg	tcataatccc	gttggcttgg	gagagctgtt	ctgagggtag	837420
catttcggga	agaatcccga	gctttgctgg	cccaaagatt	gtggtgtgac	atgccattaa	837480
aattaagact	acataccccc	caactacaga	ttggataaag	aaaaagtacg	ttccgagaat	837540
tgtacataaa	atctctataa	atctggttgc	taagataata	ttccgtttct	gaaagcgatc	837600
tgctaaactt	ccagctagcc	ggagctagta	aaagaaaggg	aagggcaaaa	aagaaactta	837660
cacaggagag	aatctttgca	ttctctgtta	gagttttgcc	ttccaatagg	aaaaacgcta	837720
aaagaaattt	atataaatta	tcgtttataa	tcgtcaggaa	atgtgtagtt	actagtgccc	837780
taaacgattt	ttttttaacc	gaaacagtca	tgaatgccac	caaacattgt	cgagcaagct	837840
tcagtaactc	gccccgtcac	ctcctagctc	agcttgcgga	ggatattacg	tccacacatc	837900
aaaaaccttt	taccaaaagg	tggattcttg	ttgcaaatgc	tactacaggg	cactggataa	837960
aaaaccaact	tgtacatgtc	ttgtcagacc	acatctttat	gggatcaact	attttcactg	838020
cttcggattc	cattgtcaaa	cacttattct	tgggttcggg	ttgctcgcag	cccaatattc	838080
cggactacct	tacccttccc	ttgttaataa	ataatattt	agaagaaatc	tcgaaggctt	838140
ccaaatttga	aaatggaagg	gagtttttat	ctccacccac	atacggnaca	acaaaaaac	838200
ttgctgctgc	gtttaagcag	ttccatacgt	tttcacaacg	cccgaccaaa	aacgcctccc	838260
attaccaaga	attatttcaa	atcttggaaa	gccatttttc	ttcttatgaa	gagatgttca	838320
ccactatttt	aaataatcga	acgcaagagg	aggactgctc	ccttcatatt	tttggttatg	838380
ctcatcttcc	caaacatctt	gcggaatttt	ttattaattt	aagtacgtat	ttccctgtat	838440
atttctattg	tttttctccc	tgtcgagaat	attttggtga	tttactttcc	gatagagcta	838500
ttgatttctt	ttggaatcaa	cttcccgact	ccccaataaa	aaatgcctgg	gaacactatg	838560
tattatcaga	caggcaagca	cttcttgcaa	acttagctca	taaatctcag	tcgtcgcaaa	838620
atttttcct	agatagggaa	atagactatc	aagagatgtt	tctcccttca	aaacacgata	838680
gttctttagg	ggtaatacag	aactctattt	tagacctcaa	gcccacgtct	cctcaagatt	838740
tctctcaaac	aaagcagacc	atttgtattt	atagagctct	aaatattccc	agagaagtcc	838800
				agtgtcacct		838860
ttattctctc	ttctcacata	gagagctaca	aggtacatct	aaacgctatt	ttcaatcctc	838920
atgtgcctat	atactttact	gatgaagtag	atccacgggc	tgaagatctc	agaaataaaa	838980
atcctcctac	tttcttctat	tttacaaaca	caaggggatt	tacattacat	tcttcaactc	839040
cttacgcacc	cacaactaca	acaacctata	gatcaaaaca	aggttcccta	tctgattaaa	839100
-			_	gagcttcggg	-	839160
_				atcaagaggg		839220
				atttcattca		839280
				tatttcaaaa		839340
-				ctttcattac		839400
				ttctttttt		839460
	-		_	tgtatgacaa		839520
-			_	gctatgtctt		839580
_	-			ataggacaac		839640
				acttcctaca	-	839700
		-		cagcgcaatt		839760
_	•	_		ctgtagaaac	_	839820
	_	_		tacacacctc	_	839880
	_	•	-	tcctcccttc		839940
_				tcaatgaaat		840000
	_			-	ttcctaccca	840060
					agacttttgg	840120
					tcatgctgaa	840180
yayettetta	cicaccatag	gyadaagaca	accolatigo	graarygatt	ggacaaagat	840240

ccgaaacatt	caccttatac	agtcacattc	tcttcctcaa	ttttcgaaga	gagaccctat	840300
catgaaagtt	accttttccc	gcctctttct	ttatctttcc	aaggaaatcc	ggtccaaatc	840360
catggaacaa	ttcatggggt	atgcaatgag	ggactttatt	tatgttctat	agatcctaga	840420
gattccctaa	aaaaaacaac	cagaacccta	gggagtctcc	cagaaacctc	ttctgaacaa	840480
aaacagctct	tagaaagata	tgtagcgttg	gcggtgttac	aaatgtctca	gcacctctct	840540
tcagattcgg	ctttaataaa	gcttacatcg	ttcaatacta	aagaaaacca	ccatcctcct	840600
ttttcggatc	ctgaaggtta	tctccgtaaa	gttttagaag	tctatcacct	gatgtcttcg	840660
caacccattc	ccctactatc	tccattatgt	tggaaaacct	tagacgatga	agaaaaattt	840720
catcaggcag	tactttctgc	tataagtgaa	gaagctaaaa	atccttctct	tcctattttc	840780
tggcagtttc	acaatcgtaa	tatcgaggag	atcttaaatc	acgtgggtgc	atccgaacgt	840840
ttgaaaattt	tatctctttt	cagaggtccc	tgtgaagccg	tttaatattt	ttgactcaaa	840900
ctcttcgatt	cagggaaaat	ttttcctaga	agcctctgca	ggcacaggaa	aaacatttac	840960
tatagaacag	atcgtgttgc	gagccttgat	tgaaggctcg	ctaacacatg	tagaacatgo	841020
cttagcaatt	acatttacga	atgcttctac	caatgagctt	aaggttcgca	tcaaagacaa	841080
tcttgctcaa	actttaagag	aattaaaagc	ggttctaaac	tctcagccgg	cttctttacc	841140
cacatattta	gatatcaatt	gcaatgtaaa	gcagatttac	atgcaagttc	gcaatqctct	841200
tgctactcta	gatcagatgt	ctttgtttac	gattcatggc	ttttgcaact	ttgttctaga	841260
acaatatttt	cctaagaccc	gtcttattca	caaaaaccct	gctctgaccc	actctcaatt	841320
agttcttcat	cacatcacta	actatttaaa	acaagacctc	tggaaaaatg	tactttttca	841380
agaacagttt	catctattag	cagttcgcta	caatgtaacc	tcgaagcata	catcttctct	841440
ggtggataag	ctacttgcca	gctataccca	accaatctcc	tcctactttt	cctcacgtgt	841500
tgaaagactt	gagcaaattt	ctctttggca	tcaacaaata	tacaactctc	ttttagaaat	841560
tccaaaacag	gtttttctag	atcagctaac	tgcccacatc	tcaggattta	aaaagcagcc	841620
cttttccatt	cttgatgatc	tccatcattt	tgtggatctc	ctttacactt	cadadaccca	841680
tagctcttta	ttttcattct	ttaaaattgc	agaaacattc	aacttcaaac	acconcitoc	841740
acgttacaag	ccttgtgctg	cctttactgt	tttagaaaac	atgtcttggg	tagagegtae	841800
tttagagttt	tgtaacttgg	atcgaatctt	caatactttg	ttagtcgatc	tccaagagta	841860
tcttaaacaa	aattataccc	cttggctctc	tcccgatgaa	agcgtctttg	ccctcgagaa	841920
actactctct	tcatctgaag	ctcaacctgt	agttcaagct	cttagagagc	aataccaget	841980
cgtattaatt	gatgaatttc	aagatacaga	caagcaacaa	tggagcatct	tttcgaatct	842040
ctttatttct	ccgaaattta	caggatcgtt	atttcttatc	ggagacccca	agcaatctat	842100
ttatgaatgg	agaagtgcgg	atcttcctac	ctatcttaca	gccaaatctt	cgttttcaga	842160
agacaagcaa	ctacagcttg	tcaattaatt	accgctctac	acccaaactc	atggaagcca	842220
tcaaccaaat	attcgggaaa	atctctccat	ttttagagat	ccctggctac	ctacctatag	842280
aataccatgc	gctaaatcct	cagagtagtg	agacatttga	aaatccccc	cacgeteeta	842340
ttcatttctt	cttttatgaa	actattaaag	accaggcatt	atggatattc	tcagaagcgc	842400
taagactaca	aaaagaacaa	aagattcccc	tagggaatat	ggttgtcctq	gtctcagact	842460
caaatcaagc	ttttgagtta	atttcctatg	cgactattcc	tqtttccttt	tctaaaaaca	842520
aatctatatt	tcatcttaca	gaaactcaca	tactgactac	agctctacta	gaagccattc	842580
ttcacccgga	gaattatgaa	aaaatcagca	agatattgtt	ctcatctctt	tttggacttt	842640
ctttagacga	agtnacaaca	aaaaaagaag	actttacgat	ttatttccaa	tcactacata	842700
gctacatctc	acatcatgga	cttctggcta	cattttaccg	agtgatgact	acgcaaggaa	842760
acgtattgtt	ctcatctcct	agaggggatc	ttatttttca	ggaaatggag	aaactttoto	842820
gttacctaga	tacaatttct	tcttatccct	accaccaact	tcttcacctg	aaaaactttt	842880
ctgaaacagg	acggtgggaa	gaagaactcg	ctatatcttc	ttattctgag	gacttggaaa	842940
ctttäaaaat	cactaccatt	cactcttcta	aaggtctcga	atacgatata	atcttttatc	843000
caggaattga	gaaaagtaaa	aaaaataaaa	gctcttcaga	attactaaga	gaaatgtacg	843060
ttgcttgcac	gagagcaaaa	aaacagctgt	acctacctat	aagcacgcaa	ccaccttata	843120
ttcagagaag	ctccgcatta	acaaattacg	tgaaattaga	aggtacgcag	agttcggctt	843180
atgacttagc	tatccaccta	catcaagaac	atcctgattt	attttcgtat	tegetaceta	843240
aggaccatgg	acatgctacc	acagtgttga	atctgccact	tttagagacg	ttcgctctaa	843300
aagtgacacc	cccgaaaact	atttttcct	tctcatctac	aaaattccta	ttggacactc	843360
acaaagactc	gcaatcgatc	ccatattcca	actcccgatt	tcaaaacaac	agetteetet	843420
gggagaaaaa	acaggaattc	ttatacacaa	aattttagaa	tctattcaat	tttctctatt	843480
acaagacact	gagtacttga	tgtctacgat	catgcgtttc	ataaaacaca	ctcatcttga	843540
aggattcgag	gaaacgattc	ttaaactact	tagtaagacg	ttttttttctc	ctttaacatt	843600
ttcatcgcag	acattttctc	tatctcaagt	tctaccgaat	aagatatttc	gagagacttc	843660
ttttttattt	ttagagaacc	aagagctgtg	gcaaggggtq	attgatcttt	tttttgagga	843720
tgaaggaaag	tactacatta	ttgactggaa	aacatcgttt	ttaggagaga	caaactccga	843780
ttactcaaaa	agcaacctat	ctatctacat	aaaacaagaa	aaattagatt	accaaggcag	843840
gatctacgtc	aaagctgtca	ggaagttttt	aaatcaattt	gaaattgatg	atgatgtaga	843900
gcttggagtt	atctttatcc	gtggcataga	cacccaagga	aatgggtttt	tcgctttaaa	843960
tagcagcgaa	gacattccta	acttcaatcc	caaagcaatc	caaaaatgtc	aggectatea	844020
ttaggattaa	attctagggg	aggtaaaata	aagagctgat	ccagctccat	aagcttttct	844080

tccaaagact gagcttctat	cttgaaagta	caggctccat	cacgaggagc	ttttaccttg	844140
gtgactctag ccaccaacag	tcctggggga	aataccccat	ctaatcctgt	tgtcactaag	844200
atatctccag 'gtagcagagt	ttttccctcg	ctaaagtaga	atccttctcc	ctctaaacat	844260
aaagaccctt ctttccataa	agccccaccc	actccagaaa	gtattcctct	taggagagct	844320
tggttttctc cttctccctg	tattaaagaa	tctaactctt	gtagctgaga	gattttttca	844380
tacttatcct tttcaaggat					844440
ctaagactgt gttttatcca	ccaagactga	atatcaccgc	gcatagcaac	tacagagggc	844500
ttcattccta catctgtgat	taatcgtata	cgggattggt	gttctccaac	ataatcgaca	844560
agtectacta gaacatttee					844620
cctacattca cccaacaaga					844680
tctaccaact tatgaaaata					844740
gagacctcat aaagtttgag					844800
ttctctaatt ctaaattagc				•	844860
ttgacgtgta gagagacaaa					844920
cgaaaagaga gaatccctaa					844980
cgtaggctat agctcataag					845040
cgtaattcca tttaaattca					845100
taaaaagagc acctgtttat					845160
taaaaagtca aatgtatgac					845220
tttacccaaa gactctctta					845280
attactcaaa attgtagaaa					845340
tcgaattttt tcttctaaga					845400
aacagcaaaa tatcctacac					845460
gacaagaacc gtatttccct					845520
geogragea aaacettggt					845580
taagatggcg agttctttcc					845640
acaaccatgc aataagataa					845700
ttcaaataac agctgttttt					845760
ctcttgagag aaaatgcgta					845820
agateetttt geeaeggaaa					845880
agactgaaac ccgactatag					845940
atctaaaaat atttgcaacc					846000
aatgacagtt tgtgccttac					846060
ataaacacca atcacaaggt					846120
caaacctaaa atagcatccg					846180
ctacacctaa ttataacaaa					846240
ttttggggta ttagctcagt					846300
gacccgcta tgctccatgt					846360
ttccttgcag tattaccacg					846420
attgtaaaga aagtatacaa					846480
ccacaacete tecageatee					846540
taaagacaag gtcttttgta					846600
tttcttcttg taagcgagct					846660
aatcccctaa agaacgagca					846720
caagagattg tagcttggct					846780
tttcttcttc tacattagac					846840
tttgtaaaac gttcaaatca					846900
attetttaa aaagggaagg					846960
gcccaccaa gtagtggtgt					847020
gatacataaa attcaaagct					847080
caaagagacc atcttcatgg	-		-		847140
acatcattgg ttgatgggca					847200
gatcqttttt aatggtttta					847260
gaatttgcat aaaaacttgt				_	847320
acttttgcaa agcaacaata					847380
aggatgttat atactctttg					847440
gcagttctct ctgcaaaatt					847500
ctttaactag actcttgcga					847560
aatgatagat cagagagato			-		847620
actgtcccat atgagaacac					847680
gggatataat tctagttccc					847740
aatctgcctc aggaatcaca					847800
gtccaagatc tctaaggaga					847860
caaacccatc gggatctcca		•			847920
			- <del>-</del>	<b></b>	

aacttttaaa	tgccgtctcg	aaagaaatat	ccttggcact	cataattcct	tcaaactcta	847980
tcaacacctt	ctgctgaaga	aacgagaccc	ccataacctc	gccaacaccc	caaccccctt	848040
gatggaagac	aaagtttccc	ttatgcatat	gcatcaaaaa	atcaaaacgg	ctgaggctaa	848100
actgaaaatc	acgaccatca	cgaagcccaa	caacacgcaa	agcctcgtta	aagttttctt	848160
ctccactgta	ctttttattc	acatattcag	tggctatatc	aaaaaacatc	tggctgttag	848220
				atcctttccc		848280
tttcccaaag	aggaacgacg	gtatccacaa	tctttccaaa	taaagatgct	aaagaggaag	848340
				cactacatcg		848400
actcctccca	aaggcttaaa	aagttcgcag	attggccttc	ttctattaag	acttgcaact	848460
tttctaaata	gtccacgatg	tctccagttt	ttaacctaaa	aatatactct	tacgtatgaa.	848520
aaagagcaat	atcacaatac	aaaataatca	aacttatttt	ataataaact	aaaatgatgg	848580
tgattgttat	gaatagtaaa	tctgcgcaaa	aaataataga	ttctataaaa	caaatcctaa	848640
ctatttataa	tatagacttc	gatecetect	ttggatcctc	gttatcttca	gattctgatg	848700
cagattacga	atatctaatc	acaaaaactc	aagaaaaaat	ccaagagcta	gacaaaagag	848760
ctcaagagat	tctaacacag	acaggaatgt	ccaaagaaca	gatggaagtc	tttgcaaata	848820
atccagataa	cttctctcca	gaagagtggc	tggccttaga	aaaagtccgt	tcttcttgcg	848880
atgagtatcg	aaaagagaca	gaaaatttaa	tcaacgaaat	taccctagat	ttacatccca	848940
caaaagaatc	aaaacgccca	aaacaaaaat	tgtcatctac	caaaaaaaat	aagaaaaaaa	849000
actggattcc	tctataaaat	cacttataat	cccgattgaa	tgaaacaccc	aaggacagag	849060
tccaagggac	ttccctttta	aatttttatg	aaaattacag	tcaatcgggg	tttagattta	849120
tccttacaag	ggtctcccaa	agaatctggt	ttctataaca	aaatcgatcc	agaattcgta	849180
tctatagact	taaggccatt	ccaaccttta	tctcttaaac	ttaaggtaga	gcaaggagat	849240
gcggtctgtt	caggagctcc	tatagcagaa	tacaagcact	ttcctaacac	ctacattacc	849300
tctcacgttt	caggagtagt	taccgctata	cgacgtggaa	ataaacgttc	tcttttagat	849360
gtcatcatta	agaaaactcc	tggtcctaca	tctacagaat	atacgtatga	tctccaaact	849420
ctctcacgtt	cagatctttc	cgaaatcttt	aaggaaaatg	ggctctttgc	attaatcaaa	849480
caacgtcctt	ttgatattcc	cgcaattcca	acacaaactc	cgagagatgt	tttcatcaat	849540
ttagctgaca	atcgtccttt	tactccaagc	ccagaaaaac	atctggctct	cttttcctct	849600
agagaagaag	gattttatgt	atttgtggta	ggagttcgag	ctatagctaa	actttttgga	849660
ctccgtcctc	atatagtttt	cagagatcgt	ttaactctac	ctacgcaaga	actaaagaca	849720
attgctcacc	ttcataccgt	ttcgggacca	ttcccctctg	gatctccatc	gatacatatt	849780
cacagcgtag	cccctattac	caatgagaaa	gaagtggtat	tcacactgtc	atttcaagat	849840
gtccttacta	ttggccatct	tttcttaaag	ggaagaattc	tgcacgagca	agtcacagca	849900
cttgctggta	ctgcactaaa	aagttctcta	agacgctatg	tgattactac	aaaaggagct	849960
agcttctcta	gtttaatcaa	tcttaatgac	atctcggata	acgatacatt	aattagcgga	850020
				cctttttagg		850080
cattcaattt	cagtcttaca	caacccaaca	aaacgggagt	tgtttagctt	tttaagaatt	850140
gggtttaaca	aaccgacatt	tacaaaaacc	tatctctcag	gatttttcaa	gaaaaagcgt	850200
acctatacga	atccagatac	taacctccac	ggagaaactc	ggccgattat	tgatactgac	850260
atctatgata,	aagttatgcc	gatgagaatt	cctgtagttc	ctctgattaa	agctgtaatt	850320
actaaaaatt	ttgatttagc	taatgaacta	gggtttttag	aggtttgtgg	tgaagatttc	850380
				ttaccatagt		850440
ttaatagagt	atgccaagga	atcagggatc	ctaactcccc	atcaagattg	attttttgtt	850500
cttcaaagaa	cttaaaattc	aaatccctga	tgcagtaatt	ccaaaataaa	aggagcggag	850560
taactaataa	tcatatctgc	gccagtctct	tgattgctat	caaagactca	tgaaatagtg	850620
tttctttatc	taaccaacct	tgttgaaagg	ctgataagat	catagcgtat	tececaetga	850680
cctgatacgc	agctagaggc	aaacaggtat	tttgtcgaat	ccgatagatc	acatcaagat	850740
agagtcctgc	aggetteace	attaagatat	ctgctccctc	ctcctcgtct	aaagaagatt	850800
caagcaatgc	ctctaatacg	tttttagggt	tcatctgata	ctgttttta	tctcctgaag	<b>850</b> 860
ttacgtgaga	actcagcgca	tcacgaaaag	gagaatacaa	acaagaagcg	tactttacac	850920
tataagacat	tatagaggtc	tttgagtagc	cagactggtc	taacttagag	cgaatgtagc	<b>8509</b> 80
caatccttcc	atccatcata	tcactcggag	ctacgatatc	cgctcccatt	tcagcatgta	851040
aagttgcaat	atttccaaaa	attctaacac	tttcatcatt	aaggacctct	ccattaagga	<b>85110</b> 0
aaatcccatc	atgaccgtgt	gtcgtataag	gatctaaagc	tatatcacta	atcagacata	851160
ggtgaggaaa	tgcgtttttt	atttcatgaa	tgctatgaca	taagatgttt	ttaggatttg	851220
aggagtaaga	accgtaagca	tctttaagat	catcaggaat	aatgggaaac	agcattacag	851280
cccgtaaccc	gcaggtacac	aaacgctcta	tttcctttaa	tagcaaatcc	aaactccatc	851340
yyaacactcc	aggaagactc	gggatctctt	cctttatgtt	atttccatac	ttcacaaaga	851400
argurgetat	yagatetttt	gggcttaagt	gagtttcggc	caacaaatct	cttatagctg	851460
tttassass	tracere	ggacgtctac	ttagtgttaa	agaactcatt	tctcagatec	851520
cttottt	gggtatata	cctaaatata	tattgttata	tttatacata	atattctctt	851580
tttattatta	yyytytytytä	tanana	actitgttt	tcgagggaag	tttatgtggt	851640
tatttata	aaaactttgt	Laaaacattg	tccattttgt	tgataagtga	ggattttgca	851700
igittataaa	cacaagatca	acccttttc	tacatcaatt	tttcaaagaa	aaataggatg	851760

		-					
	agggaatttt	tgttagttgt	gtagaaactg	tgatcttttg	gctttgattt	ggataaaaaa	851820
	tttctatttt	ctctctgttt	tttgtatgca	ataggttgta	gaattacaaa	aatttctctt	851880
	gtgatttcgg	aggtttgagg	tgaaattttt	tcaccgatac	ttggttacaa	aaaccataag	851940
	ctaaagtatg	cttggggtca	taagcgacgt	tatacgtcgt	gctcccctgt	agggatgagg	852000
	cacaccaatc	gtcgaagcag	gaatccactt	aagcaagttt	atattatccg	agtatattag	852060
	tagttttcgg	gaagatgtcc	gttcagtttt	gaggttttca	tgttgggcaa	agaagaagag	852120
	tttacqtqta	aacaaaaqca	gtgtttgtca	cattttgtta	ccaatctgac	gtccgatgta	852180
	rttgctttaa	aaaatcttcc	agaagtcgtt	aagggagctt	tattttctaa	atąctcccgt	852240
	tragttttag	atttacaaac	acttttgtta	aaagaatttc	tatctaatga	agaggatgga	852300
	gatgtttgtg	acgaageeta	tgacttcgaa	accgatgtac	agaaagctgc	ggacttttac	852360
	caaagggttc	ttgataattt	tggggatgat	tctgtaggag	agcttggcgg	agcacctggc	852420
	tatggaaaat	gtctctattt	tggctgctaa	agttttagag	gatgctcgaa	ttggcggatc	85,2480
	cccgctagaa	aagtccacaa	gatacgtcta	tttcgatcaa	aaggtacggg	gggagtattt	852540
	atattaccga	gaccctattt	tgatgacttc	ggcctttaaa	gacatgtttt	tgggtacttg	852600
	tgatttttta	ttcgatacct	attctqcttt	aatccctcaa	gttcgtgcct	attttgaaaa	852660
	actotatect	aaagattcta	aaacacccqc	atctgcctat	gccacatcat	tacgagctaa	852720
	agttttagat	totatacooo	gacttcttcc	tgcggcaact	ttgacaaatc	taggatttt	852780
	contaacoot	aggttttggc	aaaatctgat	tcacaaqtta	caaggtcata	accttgcaga	852840
	attacaacat	ttaggagatg	aatccctaac	agagettatg	aaagttattc	cttcatttgt	852900
	aagtagagg	gagggtgatg	atcaccatca	tcaagctatg	atgcaatatc	gaagagcttt	852960
	aaaadadcad	ctcaagggac	ttoctgaaca	agcaacattt	agtgaggaga	tgtcttcttc	853020
	accoactatt	cagttggtat	acggagaccc	tgatggcatt	tataaagtag	ctgctggatt	853080
	tetteteet	tattcaaatc	gttctcttac	agateteata	gactattgta	aaaaaatgcc	853140
	tcatcaacat	cttgtacaga	ttttagagag	cagtgtttct	gcaagagaaa	accgccggca	853200
	taagtctcct	cataatttaa	aatgcgtaga	atttggcttt	gatatacttg	ctgatttcgg	853260
	tacataccac	gatttgcaac	gacatcggac	gctgactcaa	gaacgacagt	tactctctac	853320
	acatcataga	tacaattttc	ctgtggagct	tctagatact	cctatggaaa	aatcttatcg	853380
	agaagetate	dadadddda	atgaaaccta	taatgagatt	gttcaggagt	tccctgagga	853440
	agetcagtat	atggttccca	togcttacaa	tatacgttgg	tttttccatg	taaatgctcg	853500
	agetttacaa	tagatttata	agttacgctc	acageeteaa	ggtcatcaaa	attaccgcac	853560
	tatagetaca	ggtttagtgc	gagaggttgt	caagttcaat	cctatgtacg	aattatttt	853620
	caaatttota	gattattctg	acatagattt	aggacggtta	aatcaggaaa	tgcgaaaaga	853680
	accaacgacc	taagteteta	gatctgtaat	tttagatatt	gtaaaaacat	aatctttgca	853740
	tttacaggaa	cattetetae	tootatttt	attcttttt	catgaagaga	tcataaaatg	853800
	aaagatetta	tatataataa	cttggttagg	tttaaaaaca	tttctaaaac	caaaacttca	853860
	addtaaaggg	tot.caaagga	ggagcctcat	ttacagette	tatagctgta	gatatagact	853920
					agaaaaatgt		853980
					tattacctgt		854040
	ctagtttcct	gggtgtaggg	cacctggtag	cgcacttgca	tggggtgcaa	gggggggag	854100
	gttcaaatcd	totcatocag	atctctctcg	gggatgaaga	ttttatcttc	atcccttttt	854160
	tataagaaat	trtgttagta	aagatagaag	ccaaggtggc	tgtaagttta	aaatagcacc	854220
	ttagaatatc	cttgaagatt	taaaaagatc	ctaaactcga	gataatcgtt	tcgaattcag	854280
	aactattctt	taatccacca	gcactgagac	gatccaagag	ctctaagcaa	ttgttttgag	854340
	atcttqctaa	tagetetaga	acaacctttt	ctccaaatag	taaagcataa	tttagcccaa	854400
	tttattagga	atctttttat	aaatctgaaa	aatcatcttt	tatttgaaaa	agtaagccaa	854460
					gtctccgcca		854520
•	aaccagaaat	acatocaato	tcaaatagag	aacccqtttt	tttgatcata	atagattgta	854580
	catatretta	acctcggtta	gaaaagaaca	tatcatcata	ctgccctcct	aataccccag	854640
	aacatccaat	atttttgtct	gtaatatctc	cgataatgtt	gtaagcgata	tctatttctc	854700
	taggatcaca	accetattet	tttaacttct	ttgcgtttaa	gcgaaggtgg	gagtaagcag	854760
						ttatgtaccg	854820
						gcaattaggg	854880
<b></b>	tagaagtata	gacaaactct	acadetaaad	ctgagtccat	aacgtcatga	tttaagccca	854940
	aaccttgagc	catcatgcag	actaaaccac	gtcttaaaco	ctttccaccq	ccctgtaaag	855000
						aaagcctttt	855060
						agagtcccct	855120
						tggcctggat	855180
						agtttacgac	855240
	gccctgtate	gattttttt	gatttatete	aggtagaacc	aacatagatg	ttccttccat	855300
						cttaacacag	855360
						ctattcttga	855420
	tttcagtaca	gtgacccaca	acacagega	tacctataat	gacattgcct	cgcagatagg	855480
	cccatgacg	aacttctatt	tgtgagcca	a gaatgcatgo	tcctacaato	taagccccag	855540
	actctacgta	ggcatcttca	gcaatctca	a tottttctat	atttttaaa	gttacaccag	855600
•			-	* *			

actctacagt	accatgaatc	ccagaaaaca	cgtggttttc	cagcatctga	tccattaaat	855660
caagaatatc	ccaggtatag	tgagctttgg	agattatctc	aggatagaga	aagtcctcag	855720
gagaaaatat	agacgaggct	agataagtca	tatagcatac	tcaagctatt	tgcctcagta	855780
ttttcatact	ctgaagattt	acttacaaga	tataaagaac	ttactttact	cttcgattgg	855840
atgcgctgta	ttgtcatgat	tctggagagg	aatactgtca	gcatctgaaa	atagatagee	855900
tacaccacga	atcgttacaa	ttttagatcc	gtagggacct	aattttttc	ttaaagaagc	855960
		gagcaatgat				856020
aagattcttt	cggagacata	ggtgtccacg	gttgataagg	agttttttaa	gaatacctgc	856080
ttcagaaggg	gtaaggtata	cgcttccttc	tggagattct	atcacgagat	tcaagactcg	856140
gaatgtàtga	tctccaaaag	tcattgtatc	tggaatgcta	tgctctagaa	cttcatatta	856200
gcgtaggaaa	gctctgatca	cggcatctaa	tactttcgct	gtaataggac	ggagaagata	856260
ccctgttgct	ccttgattta	acacctttgt	gategeetet	tcttgaaatg	tatogaatag	856320
aacaattaaa	tettettetg	gaaagatccc	aggagagaaa	atttgctcag	gtagcaatag	856380
gtattcacaa	aatatagcaa	cagattcaaa	agatgtcgga	aacaccggag	atacqaqtat	856440
ttggtaatca	gatctttgtg	atgccaagtc	ttttaattgc	gaagataaac	tgagatcctc	856500
agtaacaaac	aatatgattt	tatcaccgat	catatgaaaa	Caaaatagat	tatatgaatg	856560
aatacgtaat	ataaaatcag	ttatttttca	aaggtcactt	acacttttt	actititite	856620
tttttgaaaa	atagttttgc	ataaacacaa	cactatatat	ataatttaaa	attaataatt	856680
tagaagcgac	atagttttt	aacttctttg	aaggccgttc	accacctaga	totttootto	
catattgtt	ggtattttcc	tactcacgtg	tttttcttct	aggacgcaaa	tatattactt	856740
attctqttcc	catgatttt	ctatagggcc	taaggaaaaa	tcaccatcca	tatacti	856800
ссавсавава	gagttcacgg	attccgtatt	acatcatcta	ccatgatteg	cycygactya	856860
ggaagaaaaa	tatttcaaa	ggtttttact	acaccacccg	ccategeaac	accagcattt	856920
aaagattttc	totasauttt	acascasacc	tcagaagcaa	caaaageee	cccaagcaga	856980
aattttagga	tecegaetes	acgacgaggc	tttttt		ttaaggagga	857040
cattetteet	cttctcaatc	tcaacagttt	calcterage	addacagacg	tcatggagac	857100
totagtatos	tataaggaaa	agcgctgtcc	taacteceet	tactaccact	tatttaaggc	857160
acaacacacac	actogacoco	agctataccg	tyayyttata	gagcaactag	cctactggca	857220
agaagagaaa	ttagattata	ttgctccttt	ttatatata	agtattgaac	agctgctaac	857280
agatttttttg	ctagattata	tttctgcgca	ttetetgata	gaacagaaaa	tgttccccga	857340
taggcagagta	tagatagta	gcaatatcaa	taggttatta	aaacacgaat	gtgagtggaa	857400
agastatasa	tatgategta	ttgcgattct	terrageegg	agttattttc	tagagttggt	857460
agaatttaa	attttagara	tttattttga	tractatgag	atggtgctt	tctatctcaa	857520
tractracts	attitagage	agtgtcctta	tgcagaactt	ctccccgagg	aagagcttgt	857580
gatastagass	atggaacacg	tgtttatcct	tectaaagat	aaattatatc	ctttaattca	857640
geteetagag	acgcggcaga	agcattatgt	tcacccaaat	agttctttag	tagttcagat	857700
aceggeagac	cgcttttcta	cacatatgga	aggggctatt	cggttttgtg	aggctttagt	857760
LECTECECE	ggattggaag	aattacatca	gcaaattatt	accacttttg	aagagctgct	857820
ttcaaataaa	gtacagcaga	taaaaactga	agaggctaaa	caatgtgttg	ccctacttca	857880
tattttggat	ccttctattt	ccattagtga	aaaattagct	ctttcttcgg	atacattaca	857940
aaatatagtt.	tctggggacg	acgagcagca	tacaaaactc	cgcaattacc	tagatctttg	858000
ggaagccata	cagtcttatg	atattgatcg	ccaacagctc	gttcatcact	tagtttatgg	858060
tgcaaaagat	ctttggaaaa	aaggaggatc	tgatgaaaag	gcattgaacc	ttcttcagct	858120
ggtcttgagg	tttacaagct	acgatataga	atgcgaaagt	gttgtgtttc	tttttataaa	858180
acaggcgtat	aagcaagcac	tgtcttccca	tgccattgct	cgtcttttaa	agttagaaaa	858240
atttatatcg	gaagcgaata	ttccctctat	agtgattagt	gaggctgaga	aggccaattt	858300
cttagcagat	gctgaatatc	tttttgctca	tgaagactat	gacaaatgct	atttgtatag	858360
catgtggttg	actaaggtgg	cccctcccc	tcaatcctat	cgcttagcag	ggttatgcct	858420
garggaaaat	aagcgttacg	acgaagcttt	agaatttctc	tgtatgctct	cacccaatga	858480
tagtatcaac	gactataaga	cgcagaaggc	attagcattt	tgccaaaaac	atcaatctaa	858540
ggaccgagct	gcctcttagc	attctccccc	catcttttca	ctcttaaagt	aaagagtttt	858600
tgtgtagtaa	atttttata	gttttgctta	ggaactattc	tccgagtgtt	taggaaaaga	858660
ttttcgaatc	ttcatgcatt	catgttatgt	tagactctat	aacggaatca	aagtagggat	858720
gggcattgca	cacagaattt	gctccttttt	tagaagactt	agtacatcag	caggtgatat	858780
cccctttaga	catcgctttt	gcttctaagc	acatctcttc	ggactttgaa	gagtcttttg	858840
<b>tttt</b> tctcgc	ggtctcctca	gcgctttggc	gttatggtca	tccttttctt	tecettgagg	858900
aaaatcgcat	tagaccttct	ctaggaggga	tctcagaaac	agatttgtat	cagggatttc	858960
ataaccttcc	taaggaagtt	cgagataaat	tatttgtcgt	tgtttcagga	cotttotatt	859020
tacggtctct	gtatacgata	cgatcgaaac	tcttagacaa	gctttcgttg	ctttqttcag	859080
caaccccgaa	ttattttcct	ccttctatag	attcttcgat	cctttcagaa	gagcaaaact	859140
ttatttttaa	taaaataact	caaggatgtt	tttctatagt	ttctggaggc	ccaggaacag	859200
gaaaaacttt	tttagctgca	caactcatcc	tctctttagt	gaagcagcaa	cctaagttac	859260
gtattgctat	agtatctcct	acaggaaagg	ccacgtctca	tattcgtcag	attettatoa	859320
aatataatat	atttgacgac	atggtgttga	tgcagacggt	gcaccacttt	cttcaggagt	859380
atgcgtaccg	tcgctataac	tctatagatg	tccttttagt	agatgaaggc	tctatggtaa	859440
				<del>-</del> -	-3	

*********						
cttttgactt	gttgtatagt	ttggtacaaa	ccctacaggg	atatgagaaa	gacaaaaaac	859500
	gagtttaatt					859560
	tccccttcaa					859620
	atagggcaaa					859680
	tttcttttc					859740
	taaagtcgtt					859800
	cttggggggt					859860
	atttacgtat					859920
	acacaggatt					859980
	attctagggc					860040
	ggagtgaata					860100
	ctattctcta					860160 860220
	agacgttaca					860280
	cctcaaagaa					860340
	ttagcataat					860400
	agaacagcat					860460
	caaactaaat					860520
	cgtgctgcga					860580
	ctggtgctta					860640
	actaagttta accacgtcca					860700
	acttttcctg					860760
	gcatctgctt					860820
	gaaccattaa					860880
	gcggcaccca					860940
	aaagcatgtc					861000
	aaaacgttat					861060
	gccggagtcc					861120
	atctacctaa					861180
	gctttagatt					861240
	tctacaacac					861300
	aaagatgctt					861360
	aactctcttt					861420
	tttttttatt					861480
actttaagat	ttaaaataaa	ctgctattaa	ttgcagatca	attgagagag	aaaggaaagc	861540
	tttcgataca					861600
ttttatgcca	acataacaat	aagaatggtc	ttaaaaaaat	acttttctaa	tcaaatagaa	861660
cttatggcta	tgaagagcaa	tttattctta	tttttgttga	tataaggatt	tattttttat	861720
gttattggta	aggaaatggt	tgcatacttg	tttcaaatat	tggatttact	ttcttccggt	861780
	'cttcttcccc					861840
	gtttttacta					861900
ggaaaatcaa	ttaaaaacag	cagctgttca	gcttcttcaa	acaaaaatta	gaaaattaac	861960
	gaagggttaa					862020
tgctcaactg	caaattcaaa	gtcagaagct	taaaaatagc	ctatttcatc	ttcagggttt	862080
acttgtgaaa	actaagggag	aggggcaaaa	attagaaact	ttgttacttc	atagaacaga	862140
	tgtttgaaaa					862200
	caaactttaa					862260
	tatcaagcga					862320
	aagctggaaa					862380
	tcagacatag					862440
	ttacaattgt					862500
	tcttcttaa					862560 862620
	gagtgtcgcc					862680
-					ttaaaacgtg	862740
	-				tttctggggg	862800
					gattagtgat tgaataaagg	862860
					tgcttcagag	862920
					gatattgatt	862980
					taaactgtcc	863040
					gaatacacag	863100
					agaagagett	863160
	· -				aattcttcct	863220
					tggaatggac	863280
					<b></b>	_ :

					,
attcaagttt tgaatcaa	aat tgatgttgaa	aggcagaaag	agaagaaaaa	agaagctaaa	863340
gagettgagg gtttaget	tag gaggactgaa	gggactcctg	acgatectgt	toggatgtat	863400
ttgaaagaaa tgggtaca	agt acctctcctt	actagggaag	aagaggtaga	aatttctaag	863460
agaatagaaa aagctcaa	agt acagattgaa	agaatcattt	tacgcttccg	trattetget	863520
aaagaagcga tttctata	agc ccactatttg	attagcggca	aggaacgttt	tgataagatt	863580
atttccgaga aagaagta	aga ggataagact	cactttctta	agttacttcc	caagctaatt	863640
accttgctta aggaagaa	aga tacgtattta	gaaaacttat	tattgtcttt	aaaacagcct	863700
gatttatcca agcaagaa	agc agctaaatta	aatgacagtt	tagagaagtg	tegtattegg	863760
acgcaagcct acttgcgt	tg tttccattgt	cgtcataatg	tcactgaaga	ttttggcgaa	863820
gttgttttca aggcttat	ga ttctttctta	cacttagaac	agcaaattaa	tgatttgaaa	863880
gttcgtgcag aaagaaat	aa gtttgctgct	gcaaagttgg	cagcagctaa	gcgtaagttg	863940
tataaaagag aagttgct	gc tggaaggact	ttagaagagt	tcaagaaaga	tgtacgtatq	864000
ttacagcggt ggatggat	aa gagccaagaa	gccaaaaaag	aaatggtgga	gtccaattta	864060
cgtctagtga tttctata	igc caaaaagtat	accaaccgtg	ggctttcctt	cttagattta	864120
attcaagaag ggaatatg	gg cttgatgaag	gctgtcgaga	agtttgagta	tegeegtagt	864180
tataagttct cgacgtat	gc cacctggtgg	attcgtcaag	ctgtgactcg	tgctattgcg	864240
gatcaggcaa gaacgatc	cg tattccagtc	catatgattg	aaaccatcaa	taaagttctt	864300
cgtggagcga agaaatta	at gatggaaaca	ggaaaagagc	ccactcctga	agaqttaqca	864360
gaagagttag gattaact	cc tgaccgtgtt	cgggaaattt	ataagattgc	tcagcacccc	864420
atctctctac aagccgag	ıgt tggagagggt	agtgaaagtt	cctttgggga	tttcttggag	864480
gatactgccg tagagtct	cc cgcagaggct	acggggtatt	ctatgcttaa	agacaagatg	864540
aaagaggtct taaagacg	ct tacggatcgt	gagcgatttg	ttttgatcca	tegttttage	864600
cttcttgatg gcaaacct	aa gactttagaa	gaagtgggtt	ctgcctttaa	tgttactcgt	864660
gagcgtattc gtcagatt	ga agccaaagct	ttaaggaaga	tgcgtcatcc	tattcgatcg	864720
aaacaattga gagcattc	tt agacttatta	gaggaagaaa	aaaccggaac	tagcaaagtt	864780
aagagtttga aatccaaa	ta gtctttgagt	aaaaggttcg	ttttttatag	ccttqtataa	864840
aaaatattgc tctggtga	tt gctatagaac	gttatcagtt	aattatatcc	aagtttcgta	864900
tgtggttgtt tttagggt	gt tctgttgaag	agcgtcattt	taagcagcct	gttcttattt	864960
cagtgacttt ttcttata	ac gaagtcccgt	ctgcttgttt	atccgacaag	ctttcagatg	865020
cttgttgtta tctagagg	tc acctetetta	ttgaagagat	tgcgaataca	aagccttatg	865080
ctttaataga gcacctgg	ct aacgagctat	ttgatagctt	agtgatatct	tttggagata	865140
aagcctccaa gatagatc	ta gaggtagaaa	aagaacggcc	acctgttccc	aacctattaa	865200
atcctataaa atttacaa	tt agtaaagagc	tatgtccgag	ccccgttttq	tctqcttaaq	865260
tttaggatca aatttagg	aa atcgttttaa	aaatctacag	attgctcgta	ctttattagg	865320
cgaacaagct gttttagg	tc tacgtagttc	ggtaattcta	gaaacagaag	ccttqttatt	865380
accgggatct cctccaga	gt gggaccttcc	ttattttaat	tcggtacttg	taggggaaac	865440
caccctatct ttgcgaga	ac tactggttac	tatcaaacag	atagagaagg	tggtaggtag	865500
agcagaggag tcgccccc	at ggtctcctcg	aaccatagat	gtagatattt	tgctttatgg	865560
tgacgagtct ttttgttg	tg atcacaccga	gataacgatt	cctttgtcca	atttgttatc	865620
acgtcctttt, ttgattgc	tt taatagcatc	tctttgtcct	tatcgtcgat	tttqcactca	865680
aggttctcct tatcacaa	ct ttacatttgg	agagttggcg	catcaccttc	cctcacctcc	865740
agggatgatt cgtaggag	tt tatctccaga	tacgatgttg	atgggggtgg	taaatgtgac	865800
taacgactct atgtctga	tg ggggcatgtt	tttagatcca	gaaaaagcag	tggctcaagc	865860
tgagaagtta tttacaga	gg gcgctgcagt	tatagatttt	ggageteaag	caacaaaccc	865920
taaagtaaag cagttttt	at ctgtagatca	agaatgggag	cgtctggagc	ctattttaag	865980
gttgttaaaa gagacttg	gt ccaatagaaa	acaatatcca	atcatctctt	tagatacgtt	866040
ttatcctgaa attattct	ta gggctatgga	tatttatccg	atccagtgga	ttaatgatgt	866100
ctctggggga tcacagtc	ta tggctgaggt	cgctagggat	tgtgagctat	ccttggttat	866160
gaatcactcg tcttcgct	tc ctgtggatcc	taaaaatatc	ttgtcgtttt	ctatecetat	866220
tggagagcaa ctgttgag	ct ggggtgagaa	gcaacttaag	atottttcto	atottootet	866280
gaacgcaaat caggtgat	tt ttgatcccgg	tataggtttt	gggaaagggg	ctgcgcaatc	866340
tttggctact ttgtatga	ga ttgcgaaatt	taagcgtttg	ggatgcccta	teettattee	866400
acattetega aaategtt	ct tatctttatt	tggtaatcat	gatcccaagg	atcotoatto	866460
ggaaaccgta ggtctatc	ta tactcttaca	acaacaaggt	gtggactact	tacaaataca	866520
taatgttgct gctcatca	aa aagctttatc	agtagetget	tgtgaagcct	gtgcacccat	866580
ctaattttga aaatcctc	ta ggtgtcgaga	tgtgtaaaaa	tagaggggtc	cacagaatica	866640
tggcttgtga tcctagag	gg gtgataggtt	tagaaggaaa	acttccttaa	cattaccctq	866700
aagateteea atttttt	ct gaaaccatac	aaaaatttcc	tattottato	ggaagaaga	866760
cttgggaaac acttccta	gg aagtattttg	ttgatagagc	agtcgtcgtg	ttttcrcato	866820
aaaaacgaca gggagtgc	ac ggggagatct	gggtaacttc	tttagaagaa	tteetactet	866880
tagatettte ttegeega	ca tttttaatcg	gtggtggtga	gctttattct	cttttcttag	866940
aaaatcaaat tgttcgag	at ttttttattt	ctcatatcaa	aaaagaatat	gctggtgata	867000
catttttccc tttgtcct	tg ctagagacat	ggaccaaaac	tgtgcttaga	gatacccaaa	867060
agatcacaac gtgttact	at gaaaatcacc	acagtcaaaa	caccaaaaat	atatccttat	867120

gatgacctat	attctattct	agagtettea	ttgcctaagt	taaacgaacg	ctctattgtt	867180
gtgattacgt						867240
	aattaataaa					867300
atatatctaa	ctaagaagtg	ggggatactc	attccttcag	cggggattga	cgagtccaat	867360
gttgaaggtt						867420
gattggttaa						867480
	tgcgtcgggg					867540
	atgtaggaaa					867600
aatttattag						867660
actcccattg						867720
	tgagcacttt					867780
caatctatgg						867840
gaattacttg						867900
	gaaagttaga					867960
catattaaag						868020
attcgtagac						868080
gatttatgga						868140
	aggctgctca					868200
	tgggtttagg					868260
gtagagaaaa						868320
	accaagaagc					868380
	gcagagagaa					868440
	actttttgag					868500
	ggtctagaat					868560
	tececetee					868620
	ctatgttttc					868680
	aggtgtttca					868740
-	cttctcaatt					868800
	tccctgtcct					868860
	atattcgaca					868920
	gtcaaattct					868980
	tcgatttccg					869040
	tcgtattgaa					869100
	gctaacaccg					869160
	tagggtagcg					869220
	tacatcaccg					869280
	aacgataaca					869340
	accacagtcg					869400
	actaggatct					869460
	attcgcgaca					869520
	gatcacccgt					869580
ataaagctcc	tgttttgatg	gtggagattt	catgtgtggc	agagtgtctt	cctaaactca	869640
	agcgccgaat					869700
	taaattcatg					869760
	tgagaatcga					869820
	aggttttaga					869880
cttgaatttg	ccatggcagt	caaggcaaaa	agtaacttca	agatggcttg	ttatttctca	869940
	gaaaagcact					870000
atgaaactga	aaaaatagat	ctattggatg	ccgagattcc	tttaacaagg	gaaactattt	870060
tcaaaaaatc	aaaagaactt	cttcttattt	ctaacataaa	tagatttggg	aaagggggat	870120
gtcatgactt	tcttggggaa	gtctatcgat	tttttgttcg	cagtagccga	tgccgatggt	870180
tcgtatagag	ggatagggat	gttgtgctaa	ccagcgateg	tagaaaccgt	gaccataacc	870240
aagccgatag	ccctgctgat	caaaggcaag	gcccggaacg	agcacgtggg	taatcttatc	<b>870</b> 300
					aaataagatc	870360
					gaagagctag	870420
ggtacatttc	tggataagta	tgcgatttgc	ttcttgcatg	tctatttcgt	gattgaaaga	870480
gacaaaagag	agaacgacgc	tctctttaga	aaagctgcga	acgaaagagg	ccactgcaga	870540
agaggcctca	tgcttgcgtt	cttcagagag	atccctgcgt	atagagataa	atagtttacg	870600
tagtgcggat	ttctctattt	taggatcagt	catagggaag	ttctagttga	gcaaaggttt	870660
gccgtcctga	taggggattt	ttttagtaat	agttcccgcc	gacgagaaaa	atactgcagt	870720
					agtactctcc	<b>8707</b> 80
					cagggtagta	870840
		_	_		ctaaggttcc	870900
tccgggatac	caagtttta	ctatcccatt	taaaattcct	tcatgccaat	taagaaagca	<b>870</b> 960

gcttgggttt	ccctgtctca	ggataaaaga	aaattcttct	ccgtgcttcg	cgccttgcaa	871020
aangttatac	gtttggacaa	tctgtgttcc	ggagttgtcg	aatctggtaa	cttttccata	871080
aggttcccct	cggtaaaatg	ccctagtttc	tataacggca	tacttgccgt	agattgcttg	871140
			gatttcgtga			871200
tgcttttagg	agtcgtccct	catgatattc	ttcccaggct	aaaacatctt	cttcggaatc	871260
ttcgctgtag	cgaatcgaaa	gaccgtgtct	tttgccttgt	tggtaattct	gttctttgag	871320
cagtttcccc	gaagatgtgt	atgtcaggaa	tttaccttga	ggaactccct	tatgataggg	871380
acactctttc	caaatattcc	cattagtatg	gtaatacacc	gaagatcctt	cgagcagccc	871440
tttttcatag	acgatagcgg	cttctaagat	accttcatca	ttataggcaa	atgtagtttg	871500
			atgaagatcc			871560
			ccattcacga			871620
attgagacac	tccaggtact	gcttaatttg	cccgttagtg	tgataggctg	ttaaacaaga	871680
			cctcatgacc			871740
			cttctcttta			871800
			aagggtgagt			871860
			agaacataga			871920
			gttaaccaga			871980
			aaaactaggg			872040
			tcattatcca			872100
			ttcgcagttc			872160
			ttctttactt			872220
			ggatagaggg			872280
			atccttagaa			872340
cacctgatct	tcatgatete	ttataacttt	cagtgtgaga	atctgagaat	ttagatcaga	872400
ccaacgctga	gagatettea	corpatitat	ggtaatcgct	accegagaac	ctatactcaa	872460
aagagaaaga	aaactaagaa	ttaaaataga	aatccatttt	ttcataagac	gtatattaagag	872520
cttaatgtaa	attotagtt	aaaagatcgt	tgatcttcta	gagactetga	aacatattat	872580
agettagggt	gactcgatat	tttttttaad	aattgaggga	tatattaaa	tratecttat	872640
			agagagggt			872700
			attgaggggc			872760
			attgtaggca			872820
gagttettet	ttccgattgc	ctttactgtt	ttttctgcgg	cctttaaaca	tettaggagee	872880
			tggttcgaag			872940
			accgtagcca			873000
aacadadadd	accetaccae	ccaatgtttt	tgggctgctg	agagggcaca	ccccccacc	873060
			ccatggtggg			873120
taaatttccc	aatcctcatc	ttccactcca	taagtcatag	attagagaga	agcacccca	873120
			agattcgggg			873240
agagacagce	carttataa	gaatgtttgt	tgtatatact	acacccgcgc	gacgigaaca	873300
toggaagea	-ttttcatta	gaacycccc	aaagaacgag	gcaacgttgt	acggatgteg	
tttacaaaaa	taceaatee	ttetteagea	aaayaacyay	tanananan	taaaaaaaa	873360
ctctttaaag	agetetatte	tactagaa	ccgccataga	caagaagaca	Lgegggeagg	873420
tcacccaaaa	tatazacata	cgctagaaaa	aaaatatcgg	cagcacgaca	agagagttta	873480
ccagggaaaa	agatcagaga	ggacagaaaa	gaaagttctt	ttttgagtgt	attttttga	873540
gcaatccata	gggccagagg	torrect	ctatccgtcg	gtttgcctag	ttgtggctgt	873600
acaatcayay	trotatttt	cagggcaaga	cttgcttcta	gatttgtgag	agctacttt	873660
tacagagaga	aagtegttee	tactaccac	gaagaacttt tattttttg	cyactaagat	gccagagccc	873720
toggagaga	adycegetgy	rgcrgcaaag	cattette	ggagagacca	ggtettteet	873780
attttasta	tattattt-	acayacyatc	catcetttae	augutttetg	Laaaattgct	873840
ttcatacto	andantect	agetteggtt	agtccaatat	gataaacagg	cagcttgaaa	873900
tttcaaagccc	aagaatttt	aaaatataaa	ggcagctatt	ctaatggata	gagggctctt	873960
attaggaga	aacacacact	aditataatt	aagagagtaa	aatataatgc	tatcttattt	874020
gccaagaacg	ttaaaaatat	gtttataget	ttctaatttt	agcetatate	tttgettett	874080
ttttgatttg	ttgccagtct	gegegetggt	accagttggt	ttccaagtgt	gttgaccatt	874140
artetartt	accetes:	cyclociaga	attggattta	cagateceag	ccctttgtt	874200
cttaatatet	ttasttata=	eccicettt	gttatattaa	gagtcctacg	tttattatt	874260
cctctatact	ctatectec	ataggetgete	caatatttat	aaaaaatatt	ttacttcgtt	874320
cattotato	accadente:	atattttat	tttcagatta	ccctaccgt	rgcatgtccg	874380
ctcctcacca	tactto	attataaatt	aaatggtgaa	agcagaaggg	atactctacg	874440
artteteee	tacticiyadg	culcuagatt	ataatgagaa	catgcgtccc	acaggagcgc	874500
atttccece+	tatagaget-	yaaactagtg	gggaggccgc	taaaatttta	yaaggccttg	874560
ataaataaa	tottttt	daccocca	greetacaga	caaaatcacc	aaagatggca	874620
aataccettt	ccattcct	gacyccagag	cttattggga	ggactttaga	Laaaatcatc	874680
aacdtadad	atacoutes-	tattatacat	attogctcgg	gregggatat	ygaacatatc	874740
	acacygracy	caccacacyt	gatyctggag	clagegeagt	ttttgttcac	874800

```
gggagaactc gtgctcaggg ataccacggt cctagcaagc aagagtatat ttctagagcc
                                                                      874860.
aaggctgctg caggaaaaga attcccagtt tttggtaacg gagatatttt ttctccagaa
                                                                      874920
gctgcgcaag caatgctaac tacaggatgt gatggtgttc tggtagctcg aggaaccttg
                                                                     874980
ggagcccctt ggattggaaa acaaatccaa gactatctca ctacaggaag ctatgagaaa
                                                                     875040
                                                                      875100
attoccttta toaaaaggaa agotgogttt otggagcata tgogoctagt agaagactat
                                                                     875160
tatcaaaqcq aaacqaaqtt cctttcagaa acacqtaaat tatqtggcca ctacctaatt
                                                                     875220
teegeggeta aggtgegttt tettegtteg tetetageaa aagegacate etaceaagaa
gtctaccage ttgtgaatga ttacgaagaa gccgacgact cgtcattaga gacctttgtt
                                                                      875280
                                                                      875340
aaatgctgac ttaggtgttt cgaaagttgg aacatatcga taggattcgg accaatgatc
gtagctaaat tgttatcagg aactaaaagt tttttatttt ctggtgcctg taattgatgt
                                                                      875400
tccttgatgt aatcccagat ttttttggtt gcttctcccc gagatacggg nttcgtttcc
                                                                     875460
gatcattttt gctagatctg gagagggaag gaataaagga cctgttttct tttctgaaga
                                                                     875520
ttttttaacc gagetttttg cttttccctt tttagaaggt gttttggctg cttttgttgt
                                                                     875580
                                                                     875640.
ttttgctgaa gattttttct tggtcggagt ttttttctta tagggaattt tttctgttcc
tgagtacttt gtgattacag catctataga atttccaatc acactacatt caggatactc
                                                                     875700 '
tgaacaggaa tagaaaatct tgttgtaacg ggagcgtttt ttgaaaattt tcccattaca
                                                                     875760
gcctattgca gggcagggga taggctcttc ctgttcgatt tcctctcct ttttatggat
                                                                     875820
tgatatagtg ccacggcatt caggatactt ctcacaccct aaaaatgttc catagcggcc
                                                                     875880
gtgacgtact ttcataacgc ctccacaaag aggacaagga ctgtcccagg gggtgtcttc
                                                                     875940
agcatagtct tctttgttga aagcgagctc ttcttcagaa gtgcggtaat cgcattcagg
                                                                     876000
                                                                     876060
atattctgag cagccataga aataactgtt tttagaccag atttttacta gttttccttt
                                                                     876120
atggcactta gaacattcta tatttgtgag aattctagga atgacagctt ctttttctgc
                                                                      876180
tgtaatcact acaggaagga atgtagtcca gaattcttga agtaagagtt tccaaggttt
                                                                      876240
tttattatct gcaatgagtt caagctcgtc ttccatgaga gctgtgaacc cgatatccat
aattottgga aagtttgttt ctaagaactg tgagataatc tttcctaatt ctgtaggacg
                                                                      876300
taaccgttga ttttctttag tcgtatattc acgactttga attttgttca ttatcgtggc
                                                                      876360
                                                                      876420
atacgttgaa ggacggccga tcccagattt ttctaactct ttgactagag aagcttctgt
gaatctagga aggggttttg taaatgcctg ttcttgggat acttcctctt tgattaaggc
                                                                      876480
atcttgggca tgtagggggg ggagaggatg gtcttcttct tgatcatttt catcatcttg
                                                                     876540
cttctcttca tagacagcga gaaacccttt aaattttagt aaggatcctg aagctcggag
                                                                      876600
gtctatttct gtatccgtag taatttgaac agctaaagta tcataaattg caggggtaat
                                                                      876660
ctgtgaggct acgaagcgtt tccagattaa gttgtatact ttaaattgat catcagaaag
                                                                      876720
                                                                      876780
cttattcttt aatttgtcag gagtcagatt aatatcagtg ggacgtatgg cttcgtgagc
                                                                      876840
atcttgcgtc atctttttg tagtatatac gtttgctttc tcagggagat attctttacc
                                                                      876900
gaaagtotgt tggatgtact ototaactgt agttaatgct tcgggatcta cacgtacgga
                                                                      876960
atccgtacgc atgtaggtaa tcaaacctgt agaatcttca ctatctaaat cgacgccctc
                                                                      877020
atagagggtt tgcgctatag acatggttct agaagcagaa aaacgaaaat gccggcttgc
                                                                      877080
ttcctgctgg agagtggatg taatgaaagg aggaggagca aaacgtcgtt ttgccttagc
                                                                      877140
ttctacacga gtgattgtat acgaggattt ctctaacagc tcggcatagt gacgggcttt
                                                                      877200
ctcttcagag, ttaataagaa ggacatcatt ttcggttttc ccttcaggga tttctttctc
                                                                      877260
ccactttttt ccttgcacag cgtataaaatg cgcccaaaac gtttttgtcg ttttgggatc
ttgcattaaa acgcgtaaat tccagtattc aacaggaaca aaagcatcaa tagccttttc
                                                                      877320
togatotacg acaagottoa aagotacaga ttgcacacgo cotgoagata tocotgagog
                                                                      877380
ttgttgtaac tttcgactta ggataggaga aattttatat cccacaatgc ggtcaagaag
                                                                      877440
                                                                      877500
tctccgcgct tgttgtgcgt tgactaaagc catatcgatg gttcgagggt gttttaaggc
                                                                      877560
ctctgtaacc gcatttttgg taatggcatt aaacgatacc ctctggatca gaggagagtc
                                                                      877620
aggaagetga ttegegatgt gecaggeaat tgeeteteet tetetateag ggteagggga
                                                                      877680
aagatagact ttttcacact tcgcggctag cttgcggatg tgattgatga cctcttgttt
                                                                      877740
atogggaago acttggtatt gtggttogaa atoatgatoo acatoaatgo caaattoott
                                                                      877800
agcagggaga totacaatat gtootataga tgaggcaaaa acaaattcac tooctaataa
                                                                      877860
tttttgtagc gttttaattt ttgcaggtga ttctactata attaaggact ttttcattaa
                                                                      877920
totaattgcg tgaggaccct ggatacttta ccgagagaaa acgcgactcc cttttattaa
tttaattttc taattcctaa aactttgttt tcatgcaaat atatgttatt tatttcaagg
                                                                      877980
tttcgctgaa ataataacac gcatgccaat agcaaagctc attaacagtt acaataagtc
                                                                      878040
actotagoag ottttoatga gtoggtgoto ttagtttoto gatoatggaa aaataatoaa
                                                                      878100
ctggatcgtc caacctatac tgttgcgttt tcatacgcta aataacagga acgctggtct
                                                                      878160
                                                                      878220
atatgaaggc tagcatagag aattcttgat atgtccctat ggttattgag taagaagcaa
                                                                      878280
attetttea agggaataat atgatagaaa etatttaggt tteatettga acetgeaact
                                                                      878340
gtcattcttt tctgattagt aaaaagtttt aaaataacac aacattaaaa gagacgagat
                                                                      878400
ttottattgc caagatgcta aaaccttttc aatttttntt gttaacgatt gtaatttott
ttaacaatga gaaaaaaggt ttgaaaaaga gccgagcata gatagaaacc taggacacga
                                                                      878460
aacgtggaaa aacttgagtt tgtcaccagc ctttcttctc ctgatgatga tttgattact
                                                                      878520
ttcaataaac agggattgat tgcaggccca gaagaagaaa aggtagcgtt tcttgtacgt
                                                                      878580
agcaatgcta tgctagatgc aggacccgaa acccccgcgt cgtttcctga atctttaagg
                                                                      878640
```

gaacaattcg atattttcc	tgagtatgtt	gaagtgctct	actctaatga	aggattagat	878700
gtctgggaag caggatgtad	gtggattcta	aataatgaag	tgaccatcca	actgcgtaaa	878760
catcaccgga aagcttcgcg					878820
gaagccgtgc atgctgtgag					878880
tatcaaactt ctcgttgggg					878940
gagagctact tgctattatt	cttcaccatt	ttaggtttag	gaatctcctt	atggtatcct	879000
geeggtatac tgattatget					879060
cagagetatt tgtateggge					879120
tgggtgctgc taaggctgad					879180
gttttggaac actatgctag					879240
caatcctact ttgtttaact					879300
tcttatgtaa aacagctttt					879360
ttttgctact gtacgtcggg					879420
actatcagat agaggagttt					879480
ctctttagaa tgcgaggaat	cttgatggat	tecteggggg	aagaggtgct	ttagagggaa	879540
aatcctata ggagctgcaa					879600
aaaagagaga tetteageea					879660
taataaaaag tottottgtt					879720
tcgttttctg agatttttga					879780
ctgctcttct ttaggaaggt					879840
tggcaagcct cgagtactca					879900
atcgggaaga ggagttgata					
					879960
tatagateet aatgettttt	. ctaaaatatt	cogaageeeg	gacaaagaga	gactgaactt	880020
tttcataata ggcgcaaact					880080
ataggettgt tggtgggagg					880140
agaggcaatg ccttcaggac					880200
taagggaagc tcaagttctt					880260
cgagagattc ccggcaattt					880320
ctcgatttga ggaaggagad					880380
ataggaaaac gtagagtttg					880440
agagagatca aaaaaaggat	catcaatgat	ctcttgaact	acatacgatg	ataactcagt	880500
aagtggcgat tgcagcatct					880560
agacaacttc tgcttttgct	gaaacatgtc	taacgcactt	gaatcatata	atcttttgga	880620
atttccttta aaaatctact					880680
tgtgcggcag taagatagag					880740
cgttcttctt caatattttc					880800
tcttctagac ctacaagaaa					880860
atcaaattca cgcgatccgc					880920
tcatcaagga aaagttccaa					880980
tgatagagtt cetetaaatt	gcttttccga	tctttgaagg	tatccgcatc	ttcttttaag	881040
atctcaaggt aacccgtgat	cctaactaca	gactctataa	aatctctaag	ggaaagagta	881100
ttgtaggcat gttcaatttg	, agggaaaagt	gcaagatact	cttgaaggcc	ttcttgttgt	881160
tttttagata atttgacgto	tttagtatcc	aaggcttgtt	ggcatgcttt	gaggataggg	881220
agaccttgag caattgcata	ttgcgtgagt	gcaaatatcg	ttgttgaacc	gatccctcgt	881280
ttgggtagat ttacagttct	: atcaaaagca	acgatgtcgc	ttttggaaat	aaagatacgg	881340
agaaaggcta ggatatcttg					881400
tcatagggaa tgcgcctgcg	, aagtagagcg	tcttcaaatg	tccgagattg	ggagttcgtt	881460
ctatagaaaa tacagatgto	acgtagtttt	atattcccga	ctctatgtaa	ttgaagaatt	881520
tctgcagcga caaagtctgo	ttcttcgcga	tctgtgcttc	ctaggaaaag	acgaatcttt	881580
tetecaggte etttgaeget					881640
agagcattag cggcatttag	g aatattgcca	taactgcggt	agttttcttc	gaggcataag	881700
actttagcat tagggtaato	gttttcaaaa	tttaagatat	tgtgaatatt	tgctcctcgc	881760
caggagtaga tagactgate	aggatcccca	acagcaaaga	cattgcgatg	ttgctttgag	881820
aggagctgca ttaaagtata	a ttgtgcatgg	ttggtatctt	gatactcatc	gatgagcaat	881880
gctttccata attggttata	a taattcctgt	gcttcgggac	tttctctaag	aagtcttacg	881940
gttaaaaaga gaagatcat	gaaatccaga	gcattcgctt	cgataagttt	cttttggtat	882000
tcttggtata tcgagacta					882060
agtaaacggt tctttgctt					882120
aggttgtgtt gttgcaagge					882180
gtaaaattat tttcacgat					882240
ctatgaaatg tacacacca	cggaacatca	aattcattag	tggaagcaca	ctgattgaca	882300
atacgttctt taagttctc	g cgctgcttta	ttcgtaaaag	ttacagccag	aatttctcga	882360
ggcgcgatgc cttggttaa	taggtgtaag	attctatagg	taaccacacg	agttttacct	882420
gctcctgctc ctgctagaa	c gagtacagga	ttgagaggag	ctgttacagc	tttgcgttgt	882480

	gċttcgttaa	gttctgagat	acatgtcata	ataagtccta	atttttagct	ttacacctcg	882540
	agactgacaa	tctctgtcga	gctaaaataa	aaagcgagta	tactttcatc	acaattatag	882600
			gctactatag				882660
	ttcctttatg	ttggcgtgag	caacttaagg	aagagtggtc	caaaccctac	atgcagcaac	882720
			gagtataaag				882780
			acgccctttg				882840
			caagctcatg				882900
	gtttgccccc	ttctttaatt	aatattttcc	gagagttaaa	aacagatttg	ggqattgaaa	882960
	atcataaggg	gtgtttgcag	tcttgggcaa	accaagggat	cttattattg	aacacagtat	883020
	tgacggtgcg	tgcgggagaa	cccttctctc	atgctggtaa	aggttggġag	ctgtttacag	883080
	atgccattgt	gacgaaactg	attcaagaga	gaacccatat	catctttgtt	ttatggggag	883140
	ctgctgcaag	aaaaaaatgc	gagcttttat	ttaattcaaa	acatcaacat	geggttetat	883200
	cctctcctca	cccctctccg	ttagctgctc	accgtggttt.	ttttggttgt	tcacactttt	883260
			aataagctga				883320
	gaatgaaggt	atccactctg	tctgttttca	aaaaacacct	cggcttactg	cgaagtccgt	883380
	agtgagtatg	gagatgctct	taactactca	acagcttcct	tccgcagaag	ggatgccctc	883440
			attttttacg				883500
			aatctttgcg				883560
			ggggcgagtt				883620
			agctcggcaa				883680
			gaagaacctt				883740
			tcctgattag				883800
	-		ctttccaaag				883860
	gatctttatc	atacgcacct	acaccagcaa	agttcgcaga	taaaggaccc	ggaagaccat	883920
			atcgtatcat				883980
			agggcgttcg				884040
		_	gaaagagaaa				884100
			ttataaccat				884160
			ataaagtttt				884220
			ctttgtagtt				884280
	cgctagtaag	gtagacattc	tagtttattt	ttgttctgaa	gaacttttat	gattgcctgt	884340
	tgatgttttt	tcaatttttg	agtttcacaa	tgaagaaaat	tttttactct	tttgtattgt	884400
	taagttgtat	tttcccttac	gtagggtgtg	ctcaagtttt	tgtaggctta	gatcgtattt	884460
			cgttgcattc				884520
	gcgcagctat	caatagtcgt	gggcaggatg	ccctctctgt	attctattct	cgtaagcatg	884580
	attgtaccgt	ggaaatcctc	tgtacgttgg	aacacggcta	ttatggagcc	acacctacag	884640
	aaacggtggg	gaatcagcca	tccagatatc	caaatttacg	ttctgtatcc	ttgtatggag	884700
	tgaaagaggt	tcccaaagag	gttgccgaac	attgtgatgt	atttgtttat	gatgttcagg	884760
	atatcggagt	gcgttcttat	agctttgtta	ccgtgctgat	gcaaatagta	aaggcttctg	884820
	aacggtacgg	aaaacagctc	attgttttag	atcggccgaa	tcctatggga	ggaaggattg	884880
	ttgatggacc	tcttcctaat	cccacaactt	caggttccct	agcgattcct	tattgttatg	884940
			gcgttgtttt				885000
	ttgtcgtgat	ccctatgaaa	gggtggaatc	gctcgatgac	ctttgatgaa	acaggattga	885060
	tttggatgcc	cacaagtcct	caaatgccag	atccacaatc	accgtttttc	tatgctgcca	885120
	cagggatttt	aggtgccttg	tctgtagcaa	gtatcggtgt	aggttatacc	ttacctttca	885180
	aagtgctcgg	agctccttgg	atggacgggg	aaaaagttgc	cgacgagctg	aatcgcatga	885240
	agcttcccgg	tgttctgttt	cttccttttt	tctatgagcc	ttttttcgga	aaatacaaaa	885300
						tatccagtag	885360
						gttgagcaaa	885420
						ttatttgggg	885480
						ttgcgtaggt	885540
						ctctcagagt	885600
•						tatttcttgt	885660
						catcagagga	885720
			_		-	aacgaggagt	885780
						acgtagtcat	885840
		_	_			ctaaagaaat	885900
						ccttgctaaa	885960
						atgctctttt	886020
						aagcaggcat	886080
						agttacagtc	886140
						ctttaggtac	886200
						gcaaagactc	886260
	Lygaarttcc	adadcacyto	gtttaggaaa	. aayagtaaaa	agrggatacc	tttctcccta	886320

ttttgttacg cgtccagaga	caanggatgt	tgtgtgggaa	gaagctttag	tgctcatcct	08 63 88
atcccatagc ctagtgtctt	taagtgaaga	actgattcgg	tatttagaac	tcatctctga	886440
acagaacacc caccccttag	tgatcatagc	agaagatttt	gatcagaatg	ttttaagaac	886500
tctgattttg aataagctta	gaaacggtct	tcctgtttgt	gctgtgaagg	ctccaggatc	886560
tagagaactg cgacaagtcg	ttttggaaga	tcttgctatt	ttaacgggag	ctacccttat	886620
aggacaagaa tcagaaaact	gtgaaatacc	agtttcctta	gatgttttgg	ggcgtgtgaa	886680
acaggtcatg attactaaag	aaacgtttac	cttccttgag	ggaggggag	atgctgagat	886740
catacaagct aggaaacagg					886800
gtgtcaggaa ttagaagaac	ggttagcgat	ctttatagga	agtatecege	aagtgcaaat	886860
tactgccgat acggatacag	aacaaaggga	acgacagttc	cagttagaat	ctgccttacg	886920
tgctacaaaa gctgccatga					886980
agcagcacac gctatcgagg	tgcctgcaaa	cctatcttcq.	ggtatgactt	ttggttttga	887040
gactetecta caageggtae	gaactccctt	gaaggtttta	gctcagaact	gtggtagatc	887100
ttcagaagaa gtcattcata	ccattctctc	tcacgagaac	cctagatttg	gctataatgg	887160
catgacagat acattcgagg	atcttgtaga	tgcagggatc	tgcgatcccc	tcattotaac	887220
aacctcttca ttaaaatgcg	cagtttcggt	atcatgcctc	ttgctaacga	attettttt	887280
tatcagctca aggacgaaaa	cataatcagt	tgagttetta	ataaggctgc	ctaaaacato	887340
cgttgttgat tgaggactct	cttctaaaac	atccttgatt	taggatagta	taacqqaaat	887400
ttctaagaaa taaaaatttt	tagtaagatt	agttcattaa	aaatttccac	agcattttct	887460
tatagacaga gaaaatgttg	atcatttgat	ctttctggga	tacactatgt	tgagggaaaa	887520
taggcaccag tagctcagtc	ggatagagta	CCtggctacg	aaccadataa	tragaggttr	887580
gagtectete tggtgeggaa					887640
ctagttggaa aggaagccc	tgatrttgtt	gcgcaagetg	ttattaataa	cassacatat	887700
accgtatctt taaaagatta	tttaggaaag	tatottoto	ttttcttcta	testagget	887760
tttacttacg tgtgtcctac	ggaattgcac	gcatttcaag	atactttaaa	agaatteeae	887820
accegaggag ctgaagtcat	aggetgtte	gtactteaag	ttggggggg	topposter	
ttagctacta agaaaaagca	aggeograce	geggatgata	cogccaccca	tetatasasas	887880
gaagataaag tcatttcaag	aagttatcat	gaaggcacca	CCCaccccc	attatata	887940
agaggagttt teetgattga	taaaggtgaa	atcatocato	ccgaagaaga	actacette	888000
cctctaggcc gttctataga	agaagaactt	accacccycc	accetycaye	gaatgatett	888060
actaateget tagtetete	tacaaaatta	agaaccccag	acyccicaac	tanana	888120
actaatggct tagtctgtcc	attroggae	tatagaga	gagegagega	tggetecaaa	888180
tgaagaagga ctgcaaaatn	caaacaacaa	talagactag	thatattat	cgaaagtcag	888240
caagtcataa agatcgtgat	attastttas	TadadaggCLa	cegegeeeee	ggcataaaga	888300
ccgagaagct tcaatgatgt	ttaagaaaatg	aacaccayya	agteegatag	caatgatgtt	888360
ttttaacgtc gtttgtgtat	ccaagaaarg	Cadaccadaa	aagtaactat	ctacacagta	888420
gccttcttct cgaactctga	tanantataa	accataacca	cttaataatg	ttttaatage	888480
taaagtgatg cctggactgc	nathantt	aagacaacca	tgtagateta	caagactacg	888540
acagaagtac gcagtatcgt	adecteette	ttetgettet	ccaaataaag	caactgtaaa	888600
tttcatttga aatatgagat	tttta	tttetgateg	tacaggactg	tttgtttatt	888660
atctacagag agaaacttag	cetterana	accegegaat	ctaagatggt	tattattgct	888720
tatttctttg taaacaaagt	cgttgeecag	catagatage	atcggaatct	aatttattaa	888780
ttttctttaa ttcagttact	gaaagtttat	atttttagc	aattttacta	agactatcac	888840
cttcacgtac tatataaata	tteteaggaa	caggatccga	gaagtcagca	taggctccag	888900
gagaagagct gtctactaaa	gcaagtaaag	aacgtcgtac	tagacgcaaa	tcctgagcta	888960
aagctcggtg atctttttga	acttettgta	gtttactttg	taagttcgtc	tgtaagtctt	889020
taacagaagt tgttagtaca	gctaatgttt	tcgcaagcgc	cttttgatcg	gactctagct	889080
cgcggatttt ttgagccagg	gtttctggtt	ttgctgctgt	ccatttttgg	aacttagagt	889140
cttgttcatc caagegetet	gacaacatga	caatctccac	ttcgtgagag	gctaattttg	889200
ccgagatatc ttcgatttct	gcaaggactc	cttgtagaga	aggagacctt	ccagcagcat	889260
gcaaacgact gcaatctatt	cctgaaaata	acagacttag	aagaataaaa	aagcttagct	889320
tagcgtgcat gaatcttaaa	ctctgtacgg	cgattttgtt	gccatgctag	ttcgttgtgt	889380
cccgaattta aaggatgttc	ttttccgtag	gaaatagtag	atagacgatc	tgcagagatt	889440
ccctgctttc ggagatgctc	tttaatcgca	ttggctcgtc	gtgctcctaa	agcaaggtta	889500
taggatgcag étecaegete	gtcagtatgc	ccttcaatgt	acagtgtagc	tttcgggttt	889560
ttcttcatgt agtgaaccaa	gttcgtgaga	atcgcaaggt	tctcttcacc	tttaattgta	889620
tagctgtctg tagcaaaggt	gatattacga	aatgctgcaa	cttggcttga	cttgtattgt	889680
ttttcttctt tggaatcata	ctcaccgaag	gtaaaattag	ggttaaagtc	ctcttcggta	889740
tagagaggaa caaagccaaa	agaagaaggc	ttttttcgtc	ttgtatgatg	gcatgtatta	889800
caggaatcct cccagccata	attaggggaa	aggctacatg	ctggcaatgc	aagtaaagcc	889860
aataaagtac aaagtttcca	tagggaatgt	atattcatag	tgttctcttt	atcggttgct	889920
gagggaaagc acccaggag	gggaaccgtt	tttctcctac	tcctatagca	atittgttag	889980
ttttttggt gactagactg	attaaatata	actctgattc	ttcagcattc	cccgcactaa	890040
agacaagatg acggctgtct	atagcccaag	aaggactctc	tttatttgtg	ggagacgtag	890100
tgagttggta atcctctcca	gaggagagat	cgtaaataca	aatttgtcgc	acccctttaa	890160

W O 33/2/105					
ttacagagca gaaggctatt	tttttaccat	ctggagacca	tgcagggcaa	ctgctatttc	890220
tgtattttt tgtcagcaag	cgaggtgctt	ggggttcagg	atcgagggac	ataatataaa	890280
gacgcggacg gccgtctttg	ttcgatataa	agacaagctg	ggatccttca	gggttgaagg	890340
agggattccc ttgagtcccg	aaattctcat	taaggaggcg	acgtgggcga	cccataggtc	890400
ctgaagttag tgagaacggt	tgaataaata	aatcaggatt	tccatacgta	tcagcaacga	890460
aagctaaaag ctttttctt	ggagaaaacg	taggcatgag	ttggttgcct	tttaacggaa	890520
ggactttttt accttcagtg	ttctctaggg	aaccaagaaa	aattttaggc	acaccatact	890580
tatacgaaac atagagatag	ggaaaatttg	atcccacacc	cacccatttt	ggagttatag	890640
agagcgaaca ttctgtggtt	aaaggggcga	ggtttttccc	atcgtaatct	gtagtccata	890700
atteteettg ettgagettt	tgatcttttc	ctaaagaact	tagagcaaaa	acaattttcc	890760
cagcactgat tccaggaatc	cctgtgaggg	cgtaatgaac	tgtatcagca	gegtgatgga	890820
ttttttgacg atctacagaa	agattttgag	aaatagtaaa	agaacataag	guildaggag	890880 890940
tttttgaaga ctgtaaaagc	actacagata	gergaggrae	tageaaccyc	cctaccaca	891000
ctaaaggaga tgacgattct	ctagaageeg	taractatt	ctgtatttt	Gatettea	891060
tgtccttgca aaatatctcc	gulagugagu	acatastata	tteggaecce	acaacaactt	891120
tateggtetg geaagagace	accastacas	accasascas	aaaaacttgg	aagcatagtt	891180
ctaattcttc agcatagact gccgtaacat gccgatatct	agegatgega	agcadaagaa	dtraddattc	attactgacc	891240
agtttaatat gaaaagatta	tatttttcca	gggatagagt	ttttccacaa	atttttgaaa	891300
tgggagtgca tgaatcctct	gagtgaggag	ctatttatca	gcagcactca	cctcagagag	891360
aaaactgcat tottgaatot	ctccattccc	agaaaggact	aatttaatac	gcacataccc	891420
tttagagggg agagctatgt	cactactegg	taactcacat	ageregrett	cttgagttgc	891480
tttaagttct gagtgcatgg	tcaattagac	tgtagatggc	caggagatat	ttttgagaga	891540
agtttcactt ttctcaattt	tatchacato	tagggaaagg	gcttgggcaa	cttcggagag	891600
tgtttgtagt tgggtttttg	ataactgtgt	atttttttta	gttgtagagg	gaggaggttt	891660
ctcagttgcg gtcgtttttt	ttgctacagt	aggggctggt	gatggtttag	gaggttctgt	891720
ttttataact tttggaatgg	gtttttgtag	agcettetgg	acqttctctt	gaggagggct	891780
gcatttagct tgtttttgtg	gctgcgtagt	acagaggggc	gtatcgtttt	agctggatct	891840
acaactactg agggagtagg	gacaggaggt	ttcggttgga	tagtgacgag	tttttcttga	891900
aaggctttgg gttgtaaacg	ttttttagga	agaggagaag	caaagacaag	gagaagaatc	891960
ccccatgaa tacatgccgt	gattgctata	tagggaagat	acttcatcat	aattcaattc	892020
tgtagggcta cgtgaagttc	gtgaaacccc	gcagcttcta	tagcattctt	tacgttttga	892080
tatgtccgaa aggaggtttc	tccatcttgt	agtaataggg	gggtcttttc	aggataggct	892140
ttatggagga gggtaaggcg	aacagtgagc	tcttgtagtg	tgatcggatg	ctcgttcaaa	892200
gttaacgaat ggtccgcaaa	tactttaatt	accgctatag	aatcgttttc	gctgctcagc	892260
acttettget ettgtgtgee	aggagcaaga	gctatagaat	ccagttttat	taagggaaca	892320
gcaacgataa atgccattaa	aatgacaaag	acaatatcaa	tcaacggcgt	taagttcacc	892380
aggggctctt cttctatttc	ttccgtgaag	cggtatttca	taagtttgta	ttgcggtatt	892440
tgacttctat agaattcagt	agtaaatatg	ctgtctgctc	tatctcagaa	atcaattccg	892500
aagaatgtgc"tttaagatag	ttaaaagcga	tcagtgaggg	tatagcaaca	aagagtccta	892560
taatcgtcgt tcccagggct	gtggcgagtc	cttccataat	ggctgagttt	ccactgcttc	892620
ccgagctaat gtgggtaaaa					892680
aaggagctaa gctgatcgtt	gtcgccggaa	taaagctgtt	tttatgtaaa	agagetetat	892740
atttcggcat gatggctccc	aggagcgtct	ccaaagattg	gatatettea	gaagaaagga	892800 892860
tgggacctcg atctggagcc	gattgccgat	ttttatttaa	gagetecaaa	greecege	892920
ttatagtaaa atacaagtcc	gcaaaggggc	taagecetgg	tectactet	agagacagag	892980
gtgcgtgacg gtttttaatt	tataataata	taagagaccc	cacagaaaga	ataadaacccc	893040
tttgaatggc aagcttttga aaaagaatat acttttacca	agracto	cttccqtqta	gacctgaata	ataagaagac	893100
gagagaagtg taccatggaa	taaaaatctt	tatttacaga	gagtatata	aagtaaagat	893160
gatcctaaca aattttcgtt	atagagggaa	acadattta	taaagaagat	ttataaaata	893220
gaatataaaa attaatgtat	aattagtaac	tratttata	aaatcacggt	gttattttga	893280
ataaattcaa aacatattta	caaaccgcat	tgatagcacc	tttcttttct	ttcccagcgt	893340
tatetggaag ttttteetet					893400
gtgcagaact cctttctgag	ggtagctaca	tccctggact	acagacatto	cgattgggga	893460
tcaagattta cagcttccaa	agggagccat	atctactgga	agaatcccqq	agaaattgga	893520
agtcctctca aaatttcttg	gcagttgccq	aaaggtttcg	tggttgaaga	agagcattgg	893580
cctacccca aagtatttga	ggaagagggc	actacatttt	ttggatatga	agattccgct	893640
cttattgtcg cagatgtccg	tgctcctgaa	ggatacacto	ctggtcagga	ggtcgaatta	893700
cgagctcagg tcgaatggct	agcttgtgga	gatagttgct	tgcccgggaa	cgtcgatcta	893760
aaattgacac tgccctacga	agagaaggag	ccttctctt	. atcctgatac	acacgcagaa	893820
tttactaaaa cgctgcatgc	gcaacctcgt	gttttagaaa	atgatcacto	: tgttcaagtg	893880
gcgcaaggaa aaggaaatga	gatcatttta	aatatctcta	agaagatcaa	cgctacgaaa	893940
gcatggtttg tttctgaaaa	agccgataag	ctttttgctt	atgcagagac	ctcttatagc	894000

gggggaacag	gaactgcatg	gagattaaaa	gtaaaaaatc	tctccggagt	tcagaagaat	894060
		gctgttagcc				894120
		tggtcaaaca				894180
		ctttctcggc				894240
		ggtctacggt				894300
		atggtttact				894360
		taaggtttta				894420
		cacattgatc				894480
		gaccatgttt				894540
					tttagctacg -	
		aggacccttc				894660
		cttgattttt				894720
atgaggagg	tcaaacacct	tccaaaaatg	atattatta	tagge	rgggggargg	894780
tagageacee	attetaase	aacaggattt aagtacaact	forattatta	tteteettee	aggetggta	894840
cttgcaggat	taggagettg	gattttagga	cattagagaa	ccccatctc	tootagagag	894900 894960
caacgtgttt	gtgcttcttt	attgttcttt	acatteetaa	atanaaccat	Ctctctaaaaa	895020
ggtttagctt	ctcattactt	tgctgaacct	cagcagacag	tractotosa	Casastage	895080
ttatggcagc	ctttttcctt	agagaagctt	gcccaattgc	gagcccaagg	teatectatt	895140
tttgtgaact	tcacggctaa	gtggtgcttg	acttotcaga	tgaacaagc	tattttarat	895200
ggtgatgctg	tgcaaaagat	gttcgaaact	catggaattg	tgactttaga	ggcagattgg	895260
acccgtaagg	atccagggat	tacagaggag	cttgctcggt	taggtcgcgc	aagtgtccct	895320
tcgtatgtct	actatcctgg	agataactct	gcacctgtcg	tacttccaga	naagattaca	895380
		cgtaagtcga				895440
acacaagcat	tcgtaggtgg	aatcatccac	gaggtacctt	aaaaattgtt	agggcagcat	895500
		aacaagaata				895560
cgcttcaatc	ttgtgtagaa	tcttgagtct	ggggagctta	aattttcctt	agtaggacag	895620
agtctcggga	gttcgctgtg	ttttaaggat	tcttctttag	tgaagatatt	ttcaagagaa	895680
		tgccctgaat				895740
		ctcatgttca				895800
		ctcaagattc				895860
		gctcgtttgc				895920
		cccctcaaga				895980
		atagtaagaa				896040
		agggaatagc				896100
		aactcccact				896160
		aatactacca				896220
ttetataagt	acaggaacci	tggaagaagc	tranggaactg	atctctcggg	gatggtttat	896280
acttectett	gggattgtga	cttttaaaaa	rgetcaagat	ttgcgagate	tggttgtaga	896340
		taatagagac ctgcacatgt				896400
		agcttgcagc				896460 896520
		ttcatagaac				896580
		tactttccat				896640
acttaaagtt	tagtaaaaag	tcttagaatg	tcacgacatg	aaatctgccc	agaagtgtca	896700
cacaagaaag	gcaagtatta	tagcaccttt	atcttccqtt	gtattcactc	cttagcgggt	896760
atagcgttta	cttttttcct	atgtgaacac	ctatttacga	acatoctacc	ttcttcttac	896820
ttttcccagg	ggaagggttt	cgttgctatg	gtcaatggtt	ttcataagat	cccagggctg	896880
aaaattattg	aagtggcggg	tttagtcctt	ccttttctct	gtcatgcgat	tatcggcatc	896940
gtatatctct	ttcaaggaaa	aagtaattgt	tattctggtg	acggaagtcg	acctcatttq	897000
cgttatgcta	aaaattatag	ctatacgtgg	caaaggtgga	ctgcctggat	tttactcttt	897060
ggaattgctt	tccacgttgt	gcatttgcgt	tttatccgtt	atccagtcca	tgttgatatc	897120
catggaacta	cctattatgc	tgtagacatt	caaccttctc	gctatgacgt	gattgttaga	897180
gggactaaag	gctttttaac	tttgaatctt	cccaatacag	aagcttcgag	tatcgaggtg	897240
tctcgtcatg	atttaggtgg	tgctgatgct	gcgttattgt	cggagaggaa	ctcctattta	897300
ttgactccaa	gtgcaggtac	cgcatttctt	tatgtagttc	gtgatgcctt	gggatcacta	897360
ttcatagctc	ttctctatac	tattttggtc	attgctgcag	catttcatgg	gtttaatggg	897420
regeggacet	rttgttgtcg	ttggggtgtc	gttgtttctc	tgaggatgca	aggggtattg	897480
aggatagtat	gtacctcgc	tatgattgtt	gtgactttca	tgggagtgag	tgcggtttgg	897540
aditionia.	gryrggcata	gcaaatggat	gagaatcgaa	aagtaatcgt	tgttggtggg	897600
gtatctctca	Ctasactces	agctatgcag	tetetatata	ctgggattat	tgtagagete	897660
gccttaaatc	tgaagcctga	gcgctcccat ggaagaggat	tctccct=c~	treatreat	tastages	897720
aaaggtgggg	attttcrrcc	agatcagcct	cctatatataa	asatototot	tacaaccaact	897780
2235.		January CCC			racadeacec	897840

agaatcatta aa	atgttaga	taactttggt	tgtcctttta	accgtggtcc	ttctgggaac	897900
ttagatgttc gt	agatttgg	aggtacgtta	taccaccgca	cagtattctg	tggagcttct	897960
acagggcagc ag						898020
agggtgataa aa						898080
gcttgcggca tt						898140
gctgtcatta ta						898200
ttctgtacgg ga						898260
gagtttatac aa						898320
gagtctgtgc gt						898380
gtatttccag at						898440
gaagatatgt at						898500
ttacgtgtat gt						898560
actcatcttc co	gagaaaac	acgtcataag	ttagaagtcg	ttttagatat	ttataagaaa	898620
tttactggcg ag	gaccccaa	tacggttcct	atgaggattt	tccctgccgt	gcactattct	8 <b>986</b> 80
atgggaggtg ct	tgggtaga	ttggcctgct	gccgatgatc	ctgatcgtga	tagtcgcttc	898740
cgtcagatga cg						898800
ggagccaatc go						898860
ggagatgaag ct						898920
tttgatcgtg ct						898980
						899040
aaagagaata tt						
gtaaaacgaa at						899100
agattaaaaa at						899160
gtacggcaga to						899220
cgcaatgagt tt						<b>8992</b> 80
tggctgaaga ct	cacagtcgc	tgtttatgct	cctgaagaac	ctgagatttc	ctatcttcct	899340
gtggatactc go	ccatgtagc	cccgactctc	cgggattaca	caaaatcttc	aacaggaaaa	899400
atagaactca co	gaatattcc	tgataatatc	cgtctaccca	tatagaaaaa	gagagatgat	899460
ggagaatcta ga						899520
ggaaagcttt ga						899580
cgaaaagcga co						899640
ttgcttagaa ga						899700
atgtactgct ct						899760
						899820
tcctcttact aa						
taatctcgaa ag						899880
tcaagtcact ca						899940
ctgctgtaca ga						900000
aatttcccaa go						900060
gcgggctctt at	tgggtaaag	gagggattga	gggttgtggt	caagcgcata	actgtgtccg	900120
tgtctgccct as						900180
aaagttctct t	taagaagtt	tattttcagc	tctttttaaa	aagaaaaaat	aatctagaaa	900240
aattctttag g	gaggcggct	gcggtagcct	ggaggcggtg	gcatgccata	atctatagga	900300
tttgcataga gg	ggtccaggg	tcttgacgtt	gcgaacagct	cctggatatt	gtcaagaggc	900360
tgtccttgca go	ccctgcata	gttaaatttc	caaagatcga	tctctgtggt	tcctggattt	900420
aggatgaatc ca						900480
taggcaagat ta						900540
tagatetttt ga						900600
gagagtaagg to						900660
atacgagagg a						900720
tctgaaacat a						900780
						900840
gctacggtct to						900900
tccggaagag t						
aaagcatatt t			_			900960
gtatcttgaa g						901020
taccaatcat t						901080
tgggtgggtg a						901140
gtagggagat c						901200
tgcttttctg t	aagtgtcag	aggttctgag	ctttcaaaat	aatccaaaag	aagagtgtcc	901260
actgttcctc c	agaaacata	aacccaggga	gtttgtgaca	gctgatctaa	gtggtttaag	901320
atggagggag g	cacaggaag	ctgataggct	tctaaaattc	ttgtaaggag	agcttcttgg	901380
aaaacatccg t						901440
aaattgatca c						901500
agaaaacgta t						901560
ccatgcgtga a						901620
tgaatgaagg c					-	901680
-3				<u>.</u>		20200

agtaagaatt c	aggaagatg	tagaaatttc	tttgcctttt	cttgagcact	atcccactca	901740
taaagagctt t	attgagttc	ttgacggaag	cgcatgtgat	ccatcgtcaa	aatctgactg	901800
tcttgattat t	tagtgggtt	gcgcatccgc	ccttcaatat	attctagttg	ggagcgtgct	901860
tçgtgatagg t	ctgttcaca	ttgttggact	aaaattcgga	tgttttctac	ttcctcttca	901920
acaaagtgtg t	aactagaga	tacaagactg	tgagggtctt	cacttttcca	tcctaaggca	901980
aggcggatat g	gtttgagat	ggtaggttgg	ctagcatccg	caagagtcgc	taaagtatac	902040
tcccaggett t	cagtaaggg	attttgagtg	tcatggaraa	aagcagattt	tacttettea	902100
taggcatgta a	ataataata	tacccattat	atttctcaca	actetetaaa	atattaaata	902160
gagaatgcca c	ttattett	actasessa	cettetttes	20000000999	tastasses	
ctttcttaga a	ctratarta	atacaaaaat	ataastttas	agaaaacagc	Legialagia	902220
ctttcttgga g	etttt	tttttaatt	gicgattiga	taatgtegtt	agcagttaag	902280
gtctcatgga c	atteregray	cettegcate	adatattyat	gcgagagcaa	ctgttggatt	902340
tgtgcttcag a	acccccaag	agtttcaata	agattggcag	cagaaaaggc	ttttttgagt	902400
cctggagatg a	ggagagett	aaccagagga	tcaggataaa	gatctagaat	ccttaaaggc	902460
ttgaatagct c	tccaatgca	tcccgaaagg	tttataggaa	ccgcaatttc	cctttggttt	902520
acgattctag a	gagtttgcc	actgctaatg	agatcattga	gatctttaag	gaatcgttct	902580
ggatattctt g	gtgaatgag	aatggcagga	gccgtagcaa	aacaggaacc	tacatcttgc	902640
cgaaggtagg t	gaagagcgc	tgtgagtgct	gcttgacgca	catgaatcgt	agagagaatt	902700
gtctgtggat t	caatgctag	tgtatggcga	attaggtttt	ggattgtaga	gtatgaaggg	902760
acaaagagag t	tttgatgct	ttcttttaat	ttaggatttt	cctttagagc	ttttagcatt	902820
ttaaggaggt g	ttcacgatc	ttgagcttca	ttatggcgat	gaggccctaa	aggataggta	902880
cattgtgaga g	atggtgaat	ggcttcgaca	agctttactq	tatcgatttc	cccattotca	902940
gctaagatat a	atttgcgac	tttacgggcg	atatttaggt	tcttagcagc	tagagggar	903000
tgtagagccg t	agtacggta	ggctttaaat	aaaactgtgt	cttcagaaca	gaaaatttcc	903060
tcaagaagat t	ttgatcctg	gtttgcgatc	agagaatoga	aaacaaaaat	atccasacct	903120
gacataggat g	tagaagata	gttatgggat	atteettee	tataacacaa	attontatt	
ctgtcactga t	atcctccac	tactattttt	ctagaggtgg	geaacacga	ttatasasat	903180
daaaddatdd t	cadadttcc	atctggagaa	tattagagetee	gaayycaayt	clacyaaaat	903240
gaaaggatgg t	aagagttete	tetatta	agettggttt	cyttyttaa	cateatggtt	903300
agagaatcaa t	aagactctt	cttcacccaga	gggtttaaag	gatetttaa	gagetettea	903360
ataggaaget g	agaaaagta toosaatta	cttgaggatg	CCCCCCCCC	cagtgaggca	gatcaaccga	903420
totocagget g	cagagetty	teasterest	aaggggagac	gtacgaaaga	ttctcctcgt	903480
tgtagaaaca t	ggtaggage	Leeetegett	aacgagagga	gctctagaga	tcgatcttt	903540
tctacatatt t	aatgaaagt	catagcaact	acagecteat	tgccttctgt	tgtttttgag	903600
aagctgtcgg c	agtateett	gctgatttt	tgtaacgaaa	cgtccgagga	agcataggca	903660
agaaaaagac t	ccgtgcgga	taaagcatag	agataggaag	gaagaccaat	atcgccagcg	903720
agccctatga t	ccctaaaag	ggtatcgcca	ccatcttgaa	ctgtccaacc	attaaaatga	903780
ccggaaagtt g	ccttctccg	gagatgttgg	gaactaaagg	taactttagg	gaacgtaggg	903840
aaatccggac t	tagtaacgc	actttgtagt	gaagataaaa	tccctaattc	tttttgtaat	903900
ttttcgcctg a	atggtaatc	gatatctgct	ttctcaatgg	aattcaataa	gagtaggaga	903960
gtgcaattga a	aatatttcc	tagttcattg	aattcataac	cgtaaggctg	gggttcaaac	904020
ctcacgttat g	gtttcctcg	ccaggcagct	tccatacaga	aggtcagttc	ttgaagaggc	904080
ttgttaagtt t	ggtgttgat	cttagagaaa	atccaccaca	tgaggaggaa	agcaagtaca	904140
tagaaaaaac a	aatattgag	aggaactttc	aaggcggatt	ggatgagatc	agaaactgga	904200
actaaagata g	agtgtaggt	cccttggata	ggaattttat	tcagtaccaa	tcctaggtag	904260
cgtttcttgt te	gatactcac	tgtgattagg	ttctccccac	caagaattcc	agaagctttc	904320
tcaatttcta t	ggcagaggg	gcttcttgct	tggaattgcg	gtaaattagg	gagatctaga	904380
gaaaatacaa a	agaagattc	actgtcctga	gcacagaaga	ggacctcgcc	atacttattt	904440
acaaggcaga ta	atttccttt	ggtgatgtgt	aaggattgga	ataaatcttt	ctqtaaaaaa	904500
gacatgggat a	gaaacttac	aagcagtcct	gaagtcgttg	tagaatccca	agatgcgaca	904560
tcttcaacta g	aataagata	atgtaaaagt	ggtttacctg	gaatggtcaa	taaaaaggct	904620
ttccctacag c	tgcggatag	ctttttcttc	atttcaggat	gctgttttag	atagggaatg	904680
aaagggtctc c	aggatttt	cotcottaca	gatccatcaa	addatctat	aaaacataaa	904740
gaaaagtctg t	attogagag	toccatcatc	tcattgtatg	cctgtgcata	aaggtataag	904800
gaaggagatg c	ataggattt	taaggctaat	gtgttggcaa	atctatogaa	gageteegea	904860
tgtatcgtca g	tttttttc	gaattctata	cttaacttcc	taccaccogay	atoraces	904920
tgtactaaat t	tgctttage	ggcagaaaat	gagaaaaaa	ctaccaccac	aagatte	904920
agtaggggaa t	gggaatcac	taaaaaaaaa	aaaaatanaa	cacacttact	aagartgagg	
ttcatgatgc t	aataccttt	aatattaata	addicagaa	atcatate	taaayytatgi	905040
cgacaaaggt t	tttacactt	aacatcaaca	tataasa~~	atcacyctya	cyyyayttcc	905100
tcaatccttg a	attocacct	tataggggg	cttctcc	accagcagca	cultects	905160
agactterar =	ataccatca	Castacaacc	Casacacac	catglegtta	ccyclattat	905220
gggcttctgt a	atottcoca	actteeees	caaayayaya	accetygetta	gyatgaaata	905280
gctttgaagt g	tegeegea	gratate===	agageetaa	ayccattcca	ygacggaata	905340
gccaagaagt c	ttacaactt	tratestas	agraygragg	ayyatgtcca	caagaataat	905400
attccatggt g	ttattata	aataameete	agracacaca	cayaytgaca	aacatccctg	905460
agttttttgt a	LLGLLALAA	aacaagcgtg	agguitettg	gattgcctgt	rgaagagacg	905520

aagagcgaga aaggaatgtt ctgagcatat tttttagaaa tagcgaatac ccac taacaccttt ccctgaggcg tcagcaacaa tcaggaatag gcgagccttc gaac ctacaacaaa aacatcaaag aaatcaccac ctacagtaat ggcagggata tagcgagttctat atgaggatag ctggggagag tattaggaag aagtcgctgc tgag	
taacaccttt ccctgaggcg tcagcaacaa tcaggaatag gcgagccttc gaacctacaacaaa aacatcaaaag aaatcaccac ctacagtaat ggcagggata taggcaggttctat atgaggatag ctggggagag tattaggaag aagtcgctgc tgag	caagcat 905580
ctacaacaaa aacatcaaag aaatcaccac ctacagtaat ggcagggata tagg cqaqttctat atgaggatag ctggggagag tattaggaag aagtcgctgc tgag	cctctc 905640
cgagttctat atgaggatag ctggggagag tattaggaag aagtcgctgc tgag	getttg 905/00
	geetget 905760
ctcctaaatg tagagegtte tgtgcatttt ctttcatcte aaagttegte ttag	gcgaggt 905820
gttgctgttt gtggagattc tccaccatag cattaaaaat atggccaagt ctgt	tgatct 905880
caaaccctaa ggagtcgtca gtatagaggc agtttttgtt tttcctagat tcta	atcatcg 905940
cagtggcaag ttttctgata ggtaacgaca atcgtcttgc tacaataaag gcta	tgaggc 906000
tocctaagag aatgcaaaag aaataggcag tgtacatgcg agctctgcgc cata	aaggcg 906060
caaagctctc ttcttttta gcataggaaa ggactgcaat atctatactg ggaa	catttt - 906120 caatat 906180
caatacagcc ccaaatctca gtatctttga ttttaaaaga atagaaattt tctc	
ccagagggga gagagttaaa ggacctaatt ctgagtctat agggcaagga tcat	<b></b>
gaaaaacttg gcagaatttt tctttcgtca tgtcagggta gacagtatgg agat	
caggatcaga agcttttaag ataacgccgt atttggaaag gatcgcagtt tttaggatagga	
ataagateee tiggagtiet tgagtittig cateaaaaac attagetige atta	, ,, ,
agacttcctg attittagga gattgtttta gggctgctaa aaatggagtg ttct	
tgtctatttt gtgattatag ttttccccta agtgttcagg aatgctagaa gcaa	
ttttatctcc atttgggaat accttgatta aagagatttc attatagatc cctt	tggaata 906660
ctttctgcat ttcattgcta aggagaacgt tcggagtctc tggaatacca gcat	tctaaat 906720
ctaagacatc agaaaataga gatagaacat cgacattcaa agggacaatc tgag	
tattggcttt gaaagcagcg ttttctttca gtgcagtaga aatagcagag acta	atggtgc 906840
ggtattgatc taggtttaac catacgatgt tgatccctag aggtgcaatg atag	
cgcaacaaac cacaaacgga accetattgt tttagtaaaa gggatcatgg gta	
gctctattct taaggcttgt catccttgag aaggaacgtc tttcctctag tgt	tttgttt 907020
cttacgcagt ataaaaaaat ttccttaagg agacacctac tatttcttt atto	cttgcta 907080
tatettagta aatcaattge ttgcaacgaa gatettattt tttcateteg ate	ttctaat 907140
gaatgaaaat attattetet aacttettt aaateacatg gatgtttgag aat	atagaca 907200
ataaaaattg ttaaagcttt tgttttttac tcacaatact tatgtagaaa tct	tctaaac 907260
acagaagett tetaetaaaa aagageggag ggaateaagt gagtetatat caa	aaatggt 907320
ggaacagtca gttaaagaag agcctctgct attcgactgt tgctgctcta ata	tttatga 907380
ttccttctca agaatccttt gcagatagtc ttatagattt aaatttaggt tta	gatcett 907440
cggtcgaatg tctgtcagga gatggtgcat tttctgttgg gtattttact aag	gcgggat 907500
cgactcccgt agaatatcag ccgtttaaat acgacgtatc taagaagaca ttc	acaatcc 907560 ggcacga 907620
tttccgtaga aacggcaaat cagagcggct atgcttacgg aatctcctac gat	33
tcactgtagg aacgtgtagc ctaggtgcag gaaaatataa cggcgcaaaa tgg	
atggcacttt aacaccctta actggaatca cgggggggac gtcacatacg gaa	3-3-3-3
cgatttctaa ggatactcag gtgatcgagg gtttctcata tgatgcttca ggg	
aggctgtgca gtgggcaagc ggaggnctac agtaacacaa ttagcagata ttt ctctagaagc tcttatgcgt atgctatatc tgatgatggc acgattattg ttg	
ggagagcacg ataacaagga aaactacagc tgtaaaatgg gtaaataatg ttc	33
tetgggaace ttaggaggag atgettetae aggtetttat atttetggag acg	gcaccgt 908040
gattgtaggt gcggcaaata cagcaactgt aaccaatggg aatcaggaat ccc	
tatgtataaa gataaccaaa tgaaagattg aggaacttta ggaggggcga att	
aactggagtt tottcagacg gttctgtgat tgttggtcag gcgcagacag ccg	-
cgtgcatgct tttcaatact ataatggtga gatgaaagat ttggggactc ttg	ggggtac 908280
ctcttctaca gcaaaaacag tgtccccaga tggtaaagtg atcatgggta gat	cacaaat 908340
tgctgatggc agttggcacg catttatgtg tcatacggat ttctcctcta ata	atgtact 908400
ctttgatctc gataatacgt ataaaactct aagagaaaat ggccgtcagc taa	attccat 908460
Ciffdatcic daragrafic arganeter and and an anti-	gagtttgg 908520
attcaaccta caaaatatga tgttacagag agcctcagat catgagttca cag	
attcaaccta caaaatatga tgttacagag agcctcagat catgagttca cag aaggagtaac atcgctcttg gtgccgggct ttatgtgaat gccttgcaga atc	ctccctag 908580
attcaaccta caaaatatga tgttacagag agcctcagat catgagttca cag aaggagtaac atcgctcttg gtgccgggct ttatgtgaat gccttgcaga atc caanttagca gcacaatatt ttggaatcgc atacaaaata cgtcctaaat atc	tccctag 908580 gtttggg 908640
attcaaccta caaaatatga tgttacagag agcctcagat catgagttca cag aaggagtaac atcgctcttg gtgccgggct ttatgtgaat gccttgcaga atc caanttagca gcacaatatt ttggaatcgc atacaaaata cgtcctaaat atc ggtgtttttg gaccataatt tcagctccca cgtttcctaa taattttaac gta	tccctag 908580 egtttggg 908640 agccaca 908700
attcaaccta caaaatatga tgttacagag agcctcagat catgagttca cagaaggagtaac atcgctcttg gtgccgggct ttatgtgaat gccttgcaga atccaanttagca gcacaatatt ttggaatcgc atacaaaata cgtcctaaat atcggtgtttttg gaccataatt tcagctccca cgtttcctaa taattttaac gtaatagactctg gatgggagcc tttattggat ggcaggattc tgatgctcta gga	etccctag 908580 egtttggg 908640 aagccaca 908700 atctagtg 908760
attcaaccta caaaatatga tgttacagag agcctcagat catgagttca cagagggggggggg	etccctag 908580 egtttggg 908640 aagccaca 908700 atctagtg 908760 attagaga 908820
attcaaccta caaaatatga tgttacagag agcctcagat catgagttca cagaaggagtaac atcgctcttg gtgccgggct ttatgtgaat gccttgcaga atccaanttagca gcacaatatt ttggaatcgc atacaaaata cgtcctaaat atcggtgtttttg gaccataatt tcagctccca cgtttcctaa taattttaac gtaatagactctg gatgggagcc tttattggat ggcaggattc tgatgctcta ggataaggtgtc tttcggatat ggaaaacaaa aagccacgat tacaagagag caaatacagaagc cgggagtggg gagagccatt ttgaaggggt cgctgctcag ata	etccctag 908580 egtttggg 908640 aagccaca 908700 atctagtg 908760 attagaga 908820 agaagggc 908880
attcaaccta caaaatatga tgttacagag agcctcagat catgagttca cagagggggggggg	### 100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   10
attcaaccta caaaatatga tgttacagag agcctcagat catgagttca cagaaggagtaac atcgctcttg gtgccgggct ttatgtgaat gccttgcaga atccaanttagca gcacaatatt ttggaatcgc atacaaaata cgtcctaaat atcggtgtttttg gaccataatt tcagctccca cgtttcctaa taattttaac gtaatagactctg gatgggagcc tttattggat ggcaggattc tgatgctcta ggatcaaggtgtc tttcggatat ggaaaacaaa aagccacgat tacaagagag caatacagaagc cgggagtggg gagagccatt ttgaaggggt cgctgctcag ataggtataggtaa gagcctcgga ggacatgtca gggtccagcc tttcctagga ctgccacattac aaggaaagaa tataccgaaa atgcagtgca atttcctgta caa	### 100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   10
attcaaccta caaaatatga tgttacagag agcctcagat catgagttca cagaaggagtaac atcgctcttg gtgccgggct ttatgtgaat gccttgcaga atccanttagca gcacaatatt ttggaatcgc atacaaaata cgtcctaaat atcggtgtttttg gaccataatt tcagctccca cgtttcctaa taattttaac gtaatagactctg gatgggagcc tttattggat ggcaggattc tgatgctcta ggatcaaggtgtc tttcggatat ggaaaacaaa aagccacgat tacaagagag caatacagaagc cgggagtggg gagagccatt ttgaaggggt cgctgctcag atacacatac aaggaaagaa tataccgaaa atgcagtgca atttcctaga caactacacattac aaggaaagaa tataccgaaa atgcagtgca atttcctgta cacctatagacta ttctacaggt gtagtgtatt taggaattgg atctcatatt gcacctagacta ttctacaggt gtagtgtatt taggaattgg atctcatatt gcacctagacta ttctacaggt gtagtgtatt taggaattgg atctcatatt gcacctagacta ttctacaggt gtagtgtatt taggaattgg atctcatatt gcacctagactactactactactaggt gtagtgtatt taggaattgg atctcatatt	### 100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   10
attcaaccta caaaatatga tgttacagag agcctcagat catgagttca cagaaggagtaac atcgctcttg gtgccgggct ttatgtgaat gccttgcaga atccanttagca gcacaatatt ttggaatcgc atacaaaata cgtcctaaat atcggtgtttttg gaccataatt tcagctccca cgtttcctaa taattttaac gtaatagactctg gatgggagcc tttattggat ggcaggattc tgatgctcta ggatcaaggtgtc tttcggatat ggaaaacaaa aagccacgat tacaagagag caatacagaagc cgggagtggg gagagccatt ttgaaggggt cgctgctcag atcgatggtaa gagcctcgga ggacatgtca gggtccagcc tttcctagga ctgcacattac aaggaaagaa tataccgaaa atgcagtgca atttcctgta caccattac aaggaaagaa tataccgaaa atgcagtga atctcatatt gcaattctttaca tgtaggcaca cgcatgggaa tggagcaaa ctttgcagcc cat	### 100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   10
attcaaccta caaaatatga tgttacagag agcctcagat catgagttca cagaaggagtaac atcgctcttg gtgccgggct ttatgtgaat gccttgcaga atccanttagca gcacaatatt ttggaatcgc atacaaaata cgtcctaaat atcggtgtttttg gaccataatt tcagctccca cgtttcctaa taattttaac gtaatagactctg gatgggagcc tttattggat ggcaggattc tgatgctcta ggatcaaggtgtc tttcggatat ggaaaacaaa aagccacgat tacaagagag caatacagaagc cgggagtggg gagagccatt ttgaaggggt cgctgctcag atccacattac aaggaaagaa tataccgaaa atgcagtgca atttcctagaa ctcatagacta ttctacaggt gtagtgtatt taggaattgg atctcatatt gcaattcttaca tgtaggcaca cgcatgggaa tggagcaaaa ctttgcagcc catggttctcagg atctatagcg tctattggaa actttgtgtt tgaaaagctt gaggttctcagg atctatagcg tctattggaa actttgtgtt tgaaaagctt gagggttctcagg atctatagcg tctattggaa actttgtgtt tgaaaagctt gagggtcaaaa ctttgtagca atctatagcg	### 100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   10
attcaaccta caaaatatga tgttacagag agcctcagat catgagttca cagaaggagtaac atcgctcttg gtgccgggct ttatgtgaat gccttgcaga atccanttagca gcacaatatt ttggaatcgc atacaaaata cgtcctaaat atcggtgtttttg gaccataatt tcagctccca cgtttcctaa taattttaac gtaatagactctg gatgggagcc tttattggat ggcaggattc tgatgctcta ggatacagagtgtc tttcggatat ggaaaacaaa aagccacgat tacaagagag caatacagaagc cgggagtggg gagagccatt ttgaaggggt cgctgctcag atacacatac aaggaaagaa tataccgaaa atgcagtgca atttcctagga ctcatagacta ttctacaggt gtagtgtatt taggaattgg atctcatatt gcaattcttaca tgtaggcaca cgcatgggaa tggagcaaaa ctttgcagcc caggttctcagg atctatagcg tctattggaa actttgtgt tgaaaagctt gaacacaagggc atttgcggaa atgcatgta accacaggc tccctatcta caggacacaggc atttgcggaa atgcatgtaca accacaggc tccctatcta caggacacaggc atttgcggaa atgcatgtaca accacaggc tccctatcta caggacacaggc atttgcggaa atgcatgtaca accacaggc tccctatcta caggacacaggc atttgcggaa atgcatgtaca accacaggc tccctatcta caggacacaggc atttgcggaa atgcatgtaca accacaggcc tccctatcta caggacacaggc atttgcggaa atgcatgtaca accacaggcc tccctatcta caggacacaggc atttgcggaa atgcatgtaca accacaggcc tccctatcta caggacacaggc atttgcggaa atgcatctacaggc tccctatcta caggacacaggc accacagggc atttgcggaa atgcatgtaca accacaggcc tccctatcta caggacacaggc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacaggcc accacacaggcc accacacaggcc accacacaggcc accacacaggcc accacacaca	### 100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   10
attcaaccta caaaatatga tgttacagag agcctcagat catgagttca cagaaggagtaac atcgctcttg gtgccgggct ttatgtgaat gccttgcaga atccanttagca gcacaatatt ttggaatcgc atacaaaata cgtcctaaat atcggtgtttttg gaccataatt tcagctccca cgtttcctaa taattttaac gtaatagactctg gatgggagcc tttattggat ggcaggattc tgatgctcta ggatcaaggtgtc tttcggatat ggaaaacaaa aagccacgat tacaagagag caatacagaagc cgggagtggg gagagccatt ttgaaggggt cgctgctcag atccacattac aaggaaagaa tataccgaaa atgcagtgca atttcctagaa ctcatagacta ttctacaggt gtagtgtatt taggaattgg atctcatatt gcaattcttaca tgtaggcaca cgcatgggaa tggagcaaaa ctttgcagcc catggttctcagg atctatagcg tctattggaa actttgtgtt tgaaaagctt gaggttctcagg atctatagcg tctattggaa actttgtgtt tgaaaagctt gagggttctcagg atctatagcg tctattggaa actttgtgtt tgaaaagctt gagggtcaaaa ctttgtagca atctatagcg	### 100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   10

atagttgata gagataaaca gataaaatat agctcagaat ataatctgag ctatattctt 909420 cttacttgca gccatgtctg aatatgagta tagtcagaaa ttctgcattg ccacttccgt 909480 gtttaagcag atccgaaacc tttaaaaaag ttaggtcgca tatgaaattt atgaaagtcc 909540 ttactccatg gatttatcga aaagatcttt gggtaacagc attcttactg acagcaattc 909600 caggatettt tgeacataet ettgttgata tageaggaga aceteggeat getgeteaag 909660 caacaggagt ttctggagat ggtaaaattg ttataggaat gaaagttccg gatgatcctt 909720 ttgctataac tgtaggattt caatatattg atgggcattt gcaaccctta gaggcagtac 909780 gtcctcaatg ctctgtatac cctaatggta taaccccgga cggaacggtt attgtgggta 909840 caaactatgc catcgggatg ggtagtgttg ctgtgaaatg ggtaaatggc aaggtttctg 909900 aacttcccat gctccctgac accctcgatt ctgtagcatc ggcagtttct gcagatggaa 909960 gagtgattgg agggaataga aatataaatc ttggcgcttc tgttgctgtg aaatgggagg 910020 acgacgtgat tacacaactt cottetette etgatgetat gaatgettgt gttaacggaa 910080 tttcttcaga tggttctata attgtaggaa ccatggtaga cgtgtcatgg agaaataccg 910140 cagtacaatg gatcggggat cagctctctg ttattgggac tttaggagga actacttctg 910200 ttgctagtgc aatctcaaca gatggcactg tgattgtagg aggttctgaa aatgcagatt 910260 ctcagactca tgcctatgct tataaaaacg gtgttatgag cgatataggg accctcggag 910320 gtttttattc tttagcacat gcagtatctt cagatggttc tgtgattgta ggagtatcca 910380 cgaactctga gcatagatat catgcattcc aatatgctga tggacagatg gtagatttag 910440 gaactttagg agggeetgaa tettatgete aaggtgtgte tggagatgga aaggtaattg 910500 tgggtagage acaagtacea tetggagatt ggeatgegtt cetatgteet ttecaagete 910560 cgagccctgc tcctgtccat gggggaagca ctgtcgtaac tagccagaat ccacgtggaa 910620 tggtagatat caatgctacg tactcctctt tgaaaaatag ccaacaacaa ctacaaagat 910680 tgcttatcca gcatagtgca aaagttgaaa gtgtatcctc aggagcacca tcttttacaa 910740 gtgtgaaagg tgcgatctca aaacagagcc ctgcagtgca aaatgatgta cagaaaggga 910800 cgtttttaag ttaccgttcc caagttcatg gaaacgtgca gaatcagcaa ttgctcacag 910860 gagettttat ggaetggaaa etegetteag etectaaatg eggetttaaa gtagetetee 910920 actatggete teaagatget etegtagaae gtgeagetet teettacaea gaacaagget 910980 taggaagcag tgtcttgtca ggttttggag gacaagttca aggacgctat gactttaatt 911040 taggagaaac tgttgttctg caacccttta tgggcattca agttctccac ctaagtagag 911100 aagggtattc tgagaagaat gttcgatttc ctgtaagcta tgattctgta gcctactcag 911160 cagctactag ctttatgggt gcgcatgtat ttgcctccct aagccctaaa atgagtacag 911220 cagcaacttt aggtgtggag agagatctga attcacatat agatgaattt aagggatccg 911280 tctctgctat gggaaacttt gtcttggaaa attctacagt gagtgtttta agaccttttg 911340 cttctcttgc tatgtactat gacgtaagac aacagcaact cgtgacgttg tcagtagtta 911400 tgaatcaaca accettaaca ggcacactaa gettagtaag ecaaagtage tataatetta 911460 gettetaage tattgtteaa taaataatea gaacatgtge agteeatagt tggaaatget 911520 gattaagtac ccaactatgg actcttcttt ttagttttaa aaatacacag atacaacgtg 911580 tagtgccttt aaaggttcag agactaataa aaatattttt aatttcttct ggcaattctt 911640 ccgccatatc cttataacta taagccgttt aactaagtgt tgattttaac ttggatcaac 911700 gtacttacaa-agttaggttt aaatatgagt aagaagataa aggttctagg tcatttgacg 911760 ctctgcactc tgtttagagg agtgctgtgt gcagcggccc tttccaacat aggatatgcg 911820 agtacttctc aggaatcacc atatcagaag tctatagaag actggaaagg gtataccttt 911880 acagatettg agttactgag taaggaaggg tggtetgaag eteatgeaat ttetggaaat 911940 ggcagtagaa ttgtaggagc ttcgggagct ggccaaggta gtgtgactgc tgtcatatgg 912000 gaaagtcacc tgataaaaca tctcggcact ttaggtggcg aggcttcatc tgcagaggga 912060 atttcaaacg atggagaggt ggtcgttggg tggtcagata ctagagaggg atatactcat 912120 gcctttgtct tcgacggtag agatatgaaa gatctcggta ctctaggagc tacctattct 912180 gtagcaaggg gtgtttctgg agatggtagt atcatcgtag gagtctctgc aactgctcgt 912240 ggagaggatt acgggatggc aagttggtgt caagtgggaa aaagggaaaa tcaaacaatt 912300 gaagttgttg cctcaaggtc tctgggtctg aggcgaatgc aatctctgag gatggtacgg 912360 tgattgtcgg gagaggggaa atctctcgca atcacatcgt tgctgtaaaa tggaataaaa 912420 atgetgtgta tagtttgggg acteteggag gtagtgtege tteageagag getatategg 912480 caaatgggaa agtaattgta ggatggtcca cgactaataa tggtgagact catgccttta 912540 tgcacaaaga tgagacaatg cacgateteg gcactetagg aggaggtttt tetgtegcaa 912600 ctggagtttc tgctgatggg agagccatcg taggattttc agcagtgaag accggagaaa 912660 ttcatgcttt ttactatgca gaaggagaaa tggaggattt aacaactttg ggaggggaag 912720 aagctcgagt gttcgacata tctagcgaag gaaacgatat cattggctct ataaaaactg 912780 acgctggagc tgaacgcgcc tatctgttcc atatacataa ataaaagcat cgtagagaaa 912840 agataaacga agtaaatcgt aagcttggaa ttcatgaagt gattcataat tccaattttc 912900 atacttgttg tctttctct atgtagataa agttaagtgg tttttgaaat tatttttgtt 912960 gttagagtcc ctatgaaaaa gacatgttgc caaaattaca gatcgatagg cgttgtgttc 913020 tctgtggtac ttttcgttct tacaacacag acgctgtttg caggacattt tattgatatt 913080 ggaacttctg gattatattc ttgggctcga ggtgtatctg gagatggccg cgttgtcgta 913140 ggttatgaag gtggcaatgc atttaaatat gttgatggtg agaaatttct gttagaaggt 913200

44 (3 ) ) 12 1	105					
ttggtcccga	gatccgaggc	cttggtattt	aaagcttctt	atgatggctc	tgtaattata	913260
ggaatctcgg	atcaagatcc	gtcttgccgc	gctgtgaagt	gggtaaacgg	tgcacttgtt	913320
gatcttggaa	tattttctga	gggaatgcaa	tcttttgcag	agggtgtttc	cagtgatgga	913380
aagacgattg	tagggtgcct	atatagtgat	gatacagaga	caaactttgc	tgtgaagtgg	913440
gatgaaacag	gaatggttgt	tctccctaac	ttaccagaag	atcgacattc	ttgcgcttgg	913500
gatgcctctg	aagatggctc	tgtgattgta	ggggacgcca	tgggtagcga	ggaaattgcc	913560
aaggcagtgt	actggaagga	cggtgaacaa	catctgcttt	ctaatatccc	aggagctaaa	913620
agatcgtcag	cacatgcagt	ttctaaagat	ggatctttta	tcgtaggcga	gttçatcagt	913680
gaagaaaatg	aagttcatgc	ctttgtttat	cacaacggtg	ttatcaaaga	tategggaet	913740 913800
ttaggaggag	attactctgt	agcaactgga	gtttctaggg	atggtaaggt	aagaatgata	913860
cattctacaa	gaacagatgg	tgaataccgt	trtactttta	atgtggatgg	aagaatgata .	913920
gatttgggga	ctttaggagg	anagagata	canagetata	atacetttat	ctaccttgat	913980
acaatcgtag	gaaaatttga cttatggaag	teateata	ctcagaaaat	toctaacaca	tcaacqtaga	914040
taaatgtaga	taactgacga	ttcttattct	gattggactc	caacaataat	ttctccatca	914100
taaatytaya	cgtttgcaca	gacttette	cagctatact	ctcctaagtc	gatcattctt	914160
acayaaacay	atttaaaggc	atocaattto	ccatttqctq	ttgtggacat	accgacaata	914220
acttttccac	ttgcagagac	tecettaget	gcagaataag	atcctccgag	ggtgccgagg	914280
totacataa	cgccattctt	atgacagaaa	gcatggacct	ctccataata	tgtttcggat	914340
ctccctacaa	tgaccttgcc	attattggat	acagettttg	caatggcaga	atagcctcct	914400
aaagttccta	gatgtgtaat	agtgttccct	tcccacttta	cagcataaag	aattccagag	914460
gcgtcttgta	cagaccctac	aattatagat	ccattggcag	atacagaatt	cgctacagat	914520
ttgacagccc	agcctactgg	taacacctga	gcctcgtgtc	ccgtccactt	cacagcgaaa	914580
gttcgcgacc	aagcatcctt	agcactccct	acaataacag	agccatcaga	agaaattcca	914640
tacgctttag	attgcactgc	ccatgtggaa	gggagcaaat	acatttcatt	gtttttccat	914700
gtgactgcga	aactttgaga	aagctcattc	tcgacaatcc	ccgcgattat	agacccatca	914760
gaggagattc	ctgttgcttt	tgatttttt	acccatgage	tggtagggag	ttctttggtc	914820
ccccaataat	tccatcttac	tgcgtatgtt	cgagaccaag	tgtcttttat	aaagccgaca	914880
gttgtagcac	cagttcctga	aacagctttt	gcagaggctt	ttttatttga	taatcttgag	914940
agagttgtct	ttccccaatg	atcccatttt	actgcggatg	aagaatggaa	gtcatcttct	915000
ggtttgtctg	taattacata	gcaataacca	gatagagaat	ataatgaaaa	taggaccatc	915060
cataagctac	tctgagatag	catagaacgt	aaaatttgtt	ttatagctgc	catattttcc	915120
tctcgttttc	aaggtttgca	aatgaatttt	tttttaatcc	aagaaactat	accaagatat	915180
caaaagagct	acaagcaaga	tcctaggagc	ggttttttaa	tgaaaataga	ataagaaagg	915240
atttatagac	gtgctgatga	agatgtcttg	aaagaggaa	ataaagaaca	cattgcagat	915300 915360
cagaaagata	aggcccatag	atctgcgatg	tattettgat	ttggagataa	gatagaaata	915420
gagaaaatcc	ctctattcct	cagaatcete	gtaagaaaat	ttatatttta	cascacacic	915480
tgcttcggat	ccaagetett	ttttaattta	accaggetta	aagggaagag	caacacgccc	915540
agaacgtgat	aaagagcctg tccgtagttt	ctccgattcg	accagegeeg	adycaacay	accaccat	915600
aaccgcagcg	tgatagcata	cactotttca	ataaacatcc	ctatctgatt	tggtttaatc	915660
ctgcgcaact	tcgctaatcc	attoctaata	ccctctaata	ttaattccgg	atttotaaca	915720
	. cacccacaat					915780
ccatcataat	cttcttcage	aagaccatct	tctatggagt	ctataggata	gcgatcacat	915840
aaattagaaa	ggattgcgat	ttgctcttca	tagtgcctcc	catcatacgt	gcctgttttt	915900
acottataoa	atgaggatgc	tgcgcagtct	aaggctagcg	atatatcttt	tcctggagta	915960
aagcctgctt	tttcaatagc	cagcaatagg	agctctagag	cttcttcatt	agaagcaaga	916020
ttcggggcga	agcctccttc	gtcacccact	ccagtagata	agcctctttc	atggagtaat	916080
tttttcaaag	r tatgaaaaac	gtcagcaccc	atgttgacag	cttctttgat	ggaagaggct	916140
ccaataggac	ggatcataaa	ttcttggaac	cccaagccgt	tatcggcatg	catgcctcca	916200
ttgatcagat	tcatcatagg	acagggaaga	ctgcaggcaa	aacaccctcc	taaataacga	916260
tacagaggto	: tgcgtagtgt	tgctgctgct	gcatgtgctg	tagctagaga	gactcctaaa	916320
					catcagagaa	916380
					aatttcttt	916440
					tgtatcacga	916500
					: ttctccaaca	916560
					atccaagatt	916620
tecetageet	t ggatatcggc	: aatgacagct	tcaaacataa	tttttatctc	tttctttaa	916680
gactttgcta	a agagctcaat	. agcatgtgaa	cctactgato	ctgctctgct	tcttgaactg	916740
tagatatgta	a ttctaaaata	cgtagctacg	gattcacato	aaactcataa	tgacaaaaat	916800
agataaatt	c ggggaggaat	attettgaat	atcgagatca	gaaattetet	tagaacaaat	916860 916920
agagaagct	y LECTICGEA	tacataaaa	calcycycyca cataatat	. cttaattta	tcgttgaatc tcttcaagat	916920
gadactett	L ayeayeaegt a tadddddd	. tgcalyayay - tgagattact	taaasaseti	c cgagtetta	gaggtttgta	917040
Cocceage	aaaaaaca			-5-5-5-66	5-55-C9C0	54.040

gaataggatt	ggcaaaaata	gcttttataa	tgggcttagg	aacaatattg	tgctctttat	917100
	ctgtatctga					917160
gggtttttg	atcagcatag	aaaatgactt	taccattgat	attcctagca	gctcttccac	917220
	cagagatgac					917280
	gacctcggga					917340
	gcccgagcgt					917400
	gtatgccgca					917460
	tgttatagaa					917520
	aagaagatca					917580
	cgtcgggcgg					917640
	tggtgttgca					917700
	gcgggcggtt					917760
	cgagattggt					917820
	ataataagga					917880
	ggcgcccctg					917940
						918000
	atcatctcaa					
	tcaaaaaagg					918060
	attgcctcag					918120
	ttgggaatca					918180
	tctaatctta					918240
	tctcgaaatg					918300
	gctgtcagga					918360
	tagttttcag					918420
taaagtgtct	cggcgctcta	aaatagaccg	tgttgctgat	aaacgtaact	tatcgatttc	918480
atcattgata	aggaggcttt	tttctatata	ggtatcacta	cgggcaatat	aggcctcagg	918540
ttgatagtaa	tcgtagtaag	agatgaaata	ctcaacggca	ttattaggga	aaaattcacg	918600
aaattcttga	tacagctgag	cagctagcgt	tttgttatgg	gctaaaacca	gggtagggag	918660
atttacgttg	gcaacaacat	tcgcaatagt	gaatgtcttc	ccagaacctg	tagttccaag	918720
aagtacttgt	gattttacct	gattacgcac	acccgcagac	agccgagcaa	tcgcctctgg	918780
	caaggagcaa					918840
agcaatgagc	gccatttatg	gctaaaccca	aatttgtcat	gaacttcttc	catagtgact	918900
ttggctactt	cacgcatttt	atgcgtgcca	tcctctaaga	cgttttgtaa	tgccagaggc	918960
ttggatagaa	attctgagcg	tctttcttt	atgggtttta	aaaagtgaat	cagctcttca	919020
	cttttacttc					919080
	catctttatg					919140
	ctggtgtggt					919200
	ttgtagcgtc					919260
	gcccgtcaat					919320
	cctgcccata					919380
	'cattgtcttt					919440
	aaatagggta					919500
	ccatatcttt					919560
atcgaaaata	ggagatgtaa	ctcgtagatc	tcagggatcg	cagattgtag	gtaaattata	919620
gatttcgttg	gatcaatccc	tacacttage	caatcagcaa	gaacttcata	gatgtggtta	919680
tctacatcta	aaacctcttc	cttgcggatt	tttgtagtta	gaatataaaa	atcoccaata	919740
ataaaaaaac	aatcgtactc	agggctattt	tgaagttcta	atcoatttt	tatagaacca	919800
acccaatgcc	ctaaatggag	tttccctata	ggacgatccc	Coordantac	acacttttt	919860
ttattcatga	cgtccgctat	tgaagtgctt	tagttagctc	atcasactos	ttttttaata	919920
atgtaatttc	ttcttgaatt	tectgaagat	ttttctctcc	accadagega aacadatto	ttttataatt	919980
ctaaaagtct	tgctagtaaa	tracraatra	agtagaagt	atteteance	teregegeee	920040
ataagaactc	ttgaccatcg	acacquatta	atroatttaa	accetycaca	coagicatea	920100
gggtaagcat	atctgaagtg	atmaaattaa	taaattooo	gaaaatataa	operates	
cacacacaat	aggcatcata	acguattaa	ttanactata	gegeteatgg	atgittitag	920160
gaggaagtto	ttgtgttaac	ttaccettee	ttaacctatg	Canada	tttggtgag	920220
cttactasco	attggcacag	ttgassaga	Catttt	yaaaaagaaa	culycaatct	920280
raatarrar+	agcaaaaatt	cttttt	ttoott	angenera	grigitaac	920340
caacctctan	tatttt	tttrataga	taatata	aayyagaaaa	acattgtett	920400
tacttttaa	tgtttttgtc	tttttt	LadatCataC	ctttgtatcg	ggaaagaggt	920460
agagagtagt	tttttctagt	actatttacca	accettecaa	aatgatetge	tCatcagaag	920520
ttactcctc	acacttagtt	agractegag	ageetttggt	aagcatagca	agagcctgct	920580
ctactygtga	tgtttttcta	taacetgtet	Caactaaggg	yaactctttg	cgaatgcgat	920640
ccaaaayeee	gctttttctt	leeceteggt	agutteggat	aatctcttct	ttttttttt	920700
ggggcccccg	acgagatgct	aaagtataga	cagcttgtct	aggcatcttt	tccatctcta	920760
tttatatata	ttcaggaaga	agggtaaaga	gttcgtagta	aactaaaaaa	ttataggggg	920820
cttgcctatt	cccataggtt	aagagaagcc	aagaagaaaa	agcaccttca	cgatagcttt	920880

tcagtaaatc	acggactttt	gtgatgcgct	ccccatgtaa	aaggacagat	tgatgatgga	920940
tttgcttcac	ttcagcagaa	agagtacaga	gctgggtaag	atcaggttct	tcaatctgtt	921000
		agcagatgac				921060
		gcaagaggag				921120
		gtattcttt				921180
		tcttaataaa				921240
		gggagatgta				921300
		acgtattttc				921360
		ggaattgttt				921420
		atgtcgtgct				921480
		aaattctggg				921540
		ccaacaaagt				921600
		_aagtacatat				921660
		aatacgctct				921720
		gatgacttct				921780
		aggatctaag				921840
		cctggcttga				921900
		tgttccacct				921960
		atccttagca				922020
		tttaagaatc				922080
		agtacatttt				922140
		tgggcattgc				922200
		cctaaacgtt				922260
		gtgatgatac				922320
		atcagaattc				922380
		acactcttag				922440
		tctaactgga				922500
		attttaggac				922560
		actaatgctc				922620
		tetttttetg				922680 922740
		gtagaaacta				922740
		acatgagcat gcttcttgac				922860
		tgcaagcggg				922920
		tcttcatcgt				922980
		acttcccata				923040
		gtgtgcagct				923100
		aagaagggca				923160
		acacggtggt				923220
		gatgtaggaa				923280
		caataagctg				923340
		tgaggacctc				923400
		tcaggaagct				923460
		tgttgcttat				923520
		actgtatctt				923580
		taaaagccat				923640
					tgaagaaaaa	923700
					cgtttaggtg	923760
					gagaattttt	923820
taattgttta	gcgagttccg	ctgctgtagt	accttcgagt	acttcataat	ttttttgatc	923880
acaagttact	tgaatcatct	tgttccacgc	ctccatgtta	gggggacttt	cgttgttagc	923940
attttagtgt	tttttttgat	caaagcaaga	agctttttt	tataaaaaaa	cttttatttt	924000
ttaatacaag	ttccaaagcg	ccaggagatt	tagattggaa	ctaataaaaa	catcttttat	924060
actatctgct	taataaacat	tacaaactgg	tttgcatatg	tegettttte	tagtttttct	924120
					atgctt <b>c</b> agc	924180
					ctcttgctgc	924240
			_		tcgtcctgtt	924300
					aaagtctaag	924360
-		•			tttttccta	924420
					taggcttggt	924480
					cttggacctg	924540
-				-	cttttggctg	924600
					ttaatgcata	924660
cgcgatgtta	arayccyyaa	ı ıgctatcaat	catgcactct	. gcagtcgtgg	aaccctggcg	<b>9247</b> 20

_					
tcctttacca gtgcaagata	tatcgcagtt	tctatacgcg	actttggctc	tagtggtaat	924780
ttctaatttg atttgctaca	acctgtacgc	caaattatta	agaaagtatt	cttccacttt	924840
cettteattt tgtaacettg					924900
tggggagaag ggagtctcct					924960
tegteteate taccatgaag					925020
tttacatgaa aaagctcggt					925080
taattaaaga tagcagatgt					925140
					925200
aaggcagtat taaatgattg		_			
tgaccataaa ccgaagacat					925260
aaccgctgat gatgggcgac		_			925320
gctgtgagtc catgcattaa					925380
aatgatgcaa cacgcgctcc	ctgagtttca	ctacgttcat	acctctggag	actttttcag	925440
accagttagg tttatttaag	acttcgccaa	agagtcctcc	tgaagctttc	gaagctccat	925500
cagaggccat ttttgaagct	gctgcggcca	tatcatcggt	taggttcgct	gcagctttgg	925560
tggctgctga tcccgcagaa	ctcgctgctg	ttgttgccgc	cttggcagtc	gaagccatag	925620
tctgttgaac agaagaactt					925680
aggcacctgt ttctttggca					925740
cagagaaaat acccgctcct					925800
tcaaggactg ttttgcctgt					925860
tagectetee aatageagga					925920
ggaatgaagc tttccaagac					925980
ggagtgctaa cgtacccatg					926040
gagtaggaag gctgggtgag					926100
cttgtgccgt tgcagtttta					926160
atttttcgct tttttctccc					926220
ctgtactttg cgctgaagcg	tcttgaatga	gatcctcaaa	gcctccagca	gcgacttctg	926280
cttgagcccc ttgctttgtt					926340
tttgagagga ttgtgccaat					926400
ctcctgatgt catagcaata					926460
atggctccgc tgattgcggc					926520
tgagtcattt cattagactc					926580
aattgagtga acatagaaat					926640
aattgagcga cgttttgttg					926700
gcaggcgccg caactacaac					926760
atgactttcg agagcttggg					926820
ttagagattc ctttagaaat					926880
tttattccag atttgacagc					926940
ataacagett gtttcacege					92 <b>7</b> 000
gttgeggeag cageteetge	tgcacctcca	gctgccgctg	cacctacage	agctcccgca	927060
gcgagtccag'cgagtccagc	tccgcatgta	aaaatagcag	caacaataga	aataactgta	927120
atggcaacag aaaccgcgat	catcacagta	ttgacagtat	ccattgttcc	ttcgagatct	927180
ttagacttct gttcggcagc	cttcatctct	tggtattctt	ctcgttcttt	atcgattttt	927240
atcgcttgct tttctagacc	tagtttattt	gtttggtctg	cttgtgcttg	tgtacttgca	927300
tagttagata aggcagattt					927360
agtccgattt cgataacctc					927420
tccaattttg cggaacccga					927480
tctttcattt gcgcggcact					927540
ctcgcctctt caatagaggt					927600
gcagccgctc ctgatactcc					927660
ccagcagcaa ctccctgttg					927720
tttccagaag caccagcaat					927780
gtttgctgta tttgcttcgt					927840
ggtgtcgatg tcagaacttg					92 <b>7</b> 900
gaaatagaca tgtttgtatc	ctaaggggtt	tgattctgca	aagggcttta	ctcagcgcct	927960
ttaaccattt gtttattaac	tacagtggtt	aggtttttta	atccgtgtac	tactgaagat	928020
aactcctttg cgaagttggc		~~~~~~	ataatcctto	agttaactct	928080
	atcttcttgg	ycayaaggga	acaaccccg		
tcgagatgta aagattctag	atcttcttgg				928140
tcgagatgta aagattctag	atcttcttgg agttccagaa	agagccgcga	tgatgctatt	aatctgattc	928140 928200
tcgagatgta aagattctag ttgtcagtaa gactggcaaa	atcttcttgg agttccagaa tgtctgagct	agagccgcga aagggaagct	tgatgctatt ctttatatag	aatctgattc atcagatacc	928200
tcgagatgta aagattctag ttgtcagtaa gactggcaaa gcaagttcta actgctggat	atcttcttgg agttccagaa tgtctgagct agcagcttct	agagccgcga aagggaagct tgagattctt	tgatgctatt ctttatatag ctggtacgcg	aatctgattc atcagatacc ctttacagga	928200 928260
tcgagatgta aagattctag ttgtcagtaa gactggcaaa gcaagttcta actgctggat gctgccttag actgaactgc	atcttcttgg agttccagaa tgtctgagct agcagcttct cttttttgtt	agagccgcga aagggaagct tgagattctt ttcttgggct	tgatgctatt ctttatatag ctggtacgcg ttttattcat	aatctgattc atcagatacc ctttacagga gatttctcct	928200 928260 928320
tcgagatgta aagattctag ttgtcagtaa gactggcaaa gcaagttcta actgctggat gctgccttag actgaactgc tagaatctta ctaacgtttc	atcttcttgg agttccagaa tgtctgagct agcagcttct cttttttgtt	agagccgcga aagggaagct tgagattctt ttcttgggct tcttatttgt	tgatgctatt ctttatatag ctggtacgcg ttttattcat agttgttttg	aatctgattc atcagatacc ctttacagga gatttctcct ctttttcccg	928200 928260 928320 928380
tcgagatgta aagattctag ttgtcagtaa gactggcaaa gcaagttcta actgctggat gctgccttag actgaactgc tagaatctta ctaacgtttc	atcttcttgg agttccagaa tgtctgagct agcagcttct cttttttgtt tttccgcttt	agagccgcga aagggaagct tgagattctt ttcttgggct tcttatttgt ctccagccat	tgatgctatt ctttatatag ctggtacgcg ttttattcat agttgttttg ctgcttctca	aatctgattc atcagatacc ctttacagga gatttctcct cttttcccg atagactgtt	928200 928260 928320 928380 928440
tcgagatgta aagattctag ttgtcagtaa gactggcaaa gcaagttcta actgctggat gctgccttag actgaactgc tagaatctta ctaacgtttc	atcttcttgg agttccagaa tgtctgagct agcagcttct cttttttgtt tttccgcttt ttcttagttt	agagccgcga aagggaagct tgagattctt ttcttgggct tcttatttgt ctccagccat tgaattctgg	tgatgctatt ctttatatag ctggtacgcg ttttattcat agttgttttg ctgcttctca gttattccca	aatctgattc atcagatacc ctttacagga gatttctcct cttttcccg atagactgtt cagatatcca	928200 928260 928320 928380

```
928620.
   caatgtagta aggaggaatt gggttgtcag gttgagcatc gaaagcaagg aaaaatccaa
                                                                         928680
   aagccgcttc attatataaa tgcaattggt ggtagcagga gcttaaccct aacatatact
   tgtagttctg aggttgtgct gctgccaata actggaagag tcctacaget tcgttgtact
                                                                         928740
   tcccttgaga atagaatgta taagctacag tatagatctc ctctaagaga tagtccgaga
                                                                         928800
   gacctagaat ctgttgtagg tctagtccat tgctaagacc ttcgaagata ttgcctaaag
                                                                         928860
                                                                         928920
   cttttttaat ttcttcttcc gtaggtacgg gatggacttg ttctaagtca tcagcctttg
                                                                         928980
   ctttcttttg agcagccagc tctgctagac ggttcgcgtt tttttattga aagaggctga
   aggtttttga ggttgattgg cattacgagg agagggcttg ctcatcgatc taattcctaa
                                                                         929040
                                                                         929100
   aataaaatta ttttgtattt atgaatcaat tttaaaatta atctttttct aaaaacaagc
   ctattgataa taatatttt attattttaa ttaatctttt tctaacccgt tcatttttaa
                                                                         929160
   ggaaaaatgg aaattagacg gaagctttct tgacattagc tttagggtat tttaatttgc
                                                                         929220
   tggctcggaa atttaacgaa ggcacctatg tctacaagaa ggcctattca gttacttgat
                                                                         929280
   cccctgacca tcaatcaaat tgctgctggt gaggtcattg aaaactccgt ttctgttgtt
                                                                         929340
   aaagaactga ttgagaattc cttagatgct ggcgccgatg aaatagaaat cgaaacttta
                                                                         929400
   ggagggggac aaggcgcaat cattatcaga gataatggtt gtggcttcag agccgaagac
                                                                         929460
   atccccattg ccctccaacg tcacgccact tcaaaaaataa gagaattctc tgatattttt
                                                                         929520
   totttaaata gotttggott togaggogag gototaccot coattgooto gatttotaaa
                                                                         929580
   atggaaatac aatcttccat tgagggggac gagggtgtac gtaccgtaat tcatggggga
                                                                         929640
   gacatcgttt cttgtgagcc ctgtgctcgg caactaggaa ccacagtgat tgtgaactcc
                                                                         929700
   ctgttttata atgttcctgt gcgtcgtgga ttccaaaaga gcatgcaatc ggatcgctta
                                                                         929760
   gggattcgca agctgataga aaatcggatt ttatccacag caaacatagg gtggtcctgg
                                                                         929820
   attagcgagg gacatcatga aattcagatt gctaagcagc aaggatttca agaaagagtc
                                                                         929880
                                                                         929940
   qcctatqtqa tgggagacca cttcatgcag gatgccctca ccatagataa agaagcaaat
                                                                         930000
   ggtgtccgta ttgtaggggt gttagggtct cccagcttcc accgtcccac acgtcaagga
   cagaaaatct ttattaacga tcgccctata gagtctttat ttatttctaa gaaggttggg
                                                                         930060
   gacgcctatg ccttgcttct gcctctacac aggtatcctg tttttgtgct gaagctctat
                                                                         930120
                                                                         930180
    cttccttcgt catggtgtga ttttaatgtc cacccacaaa aaatagaggc tcgaattctt
    aaggaagaac ttgttggaga ttgtatcaaa gaagctatcg tagagactct agcatgtcct
                                                                         930240
    cctggcatct tatgtcgtac gcatcaagaa atagaagaat ctgattcggt gcccttaccc
                                                                         930300
    atgtttcgta tgttggaaac aagcgatgtg caagaagaag agagtgtaga gtttgatcaa
                                                                         930360
    aatctttttg catatagttc agaagatgtt tccttagaga aacaagaata tacatctaga
                                                                         930420
                                                                         930480
    ggacctaagt cccaaatgga ttggatatat tctagcgacg ttcgtttttt aacttcttta
                                                                         930540
    ggtcgtgtgg tcctggctga ggatcttgag ggtgtgcaca ttatttttac agctgcagcg
                                                                         930600
    cgaaagcacc tgtttttct gtctttgatg caagagaatt ctcgcatgta tcaatcacaa
                                                                         930660
    gcattactga ttcctctacg ccttcaggtg actcctgagg aggetttttt cttctctcat
                                                                         930720
    cacggaagaa cgttatgcga cttaggaata gaaatatcac aggtaggacc ttgtgttttc
                                                                         930780
    tctattgaaa gtacccccac tgtcattggt gaagaagagc taaaagaatg gttattgcta
    ttggcagcaa ggggctctac tgatataaac tcagaggctt taacagcatt gatgaaagaa
                                                                         930840
                                                                         930900
    actttgacgc aggcaacgtt ttctaaacat cagcatgttt ttgatgtttc ctggctcaaa
                                                                         930960
    ttgctttgga-gtgtagggaa acctgaaaaa ggatttgacg gtgcacgaat tcgtcggtta
    attttagact ctgattttat ggaaggataa tcatatgtca cacgatcgta ttttacgtgc
                                                                         931020
    tcaaagagcc ctctcagaac ataatcttga tgctattctt gtggaaaaaa gcgaagatct
                                                                         931080
    tgcttatttc ctgcatgatg aagcgattgc agggatctta ttgatagggc agcaagaagt
                                                                         931140
    gatgttcttt gtctacagaa tggataagga cctctattct catatccaac gtgtgccttt
                                                                         931200
    gacttttctc actcaggatg ttgttgcaga cttatcgctc tacgtacaaa aacagaggta
                                                                         931260
    tcagaaaata ggatttgata gtgcctcaac agtgtatcac aagtttgcac agaggcaagt
                                                                         931320
                                                                         931380
    acttccctgt ctttgggagc ctttagagtg cttcacagag aaaattcgta gtataaaatc
                                                                         931440
    tgaagaagaa attagacgca tgcaagaagc tgcagctttg ggatccgcag gatatgatta
    cgtattgacg ttacttcgag agggaatcac agagaaagag gtcgtgagac agctgcgagc
    tttctgggct gaggcaggag ccgaaggacc ttcttttcct cccattattg cttttggaga
                                                                         931560
                                                                         931620
    gcattcagcg tttccacact cgatccctac agaccgtcct ttaaagaaag gagatattgt
                                                                         931680
    tottattgat attggagtto ttotgaacgg gtattgttot gatatgacco ggatgacggo
attaggaact ccgcatccta agcttttgga aagctatcct gtggttgtgg aagctcaaaa
                                                                         931740
    gcgcgccatg gctctttgca aagaaggagt gctttgggga gacattgatg cagaagctgt
                                                                         931800
    gogtgtactg cgagagcatc acctggatac ttattttatc catggaatag gacacggggt
                                                                         931860
    ggggagacat attcatgagt accettgtte teegegggga agteaggtga aactggaate
                                                                         931920
                                                                         931980
    tggcatgace attactgtgg agccaggggt ctattttcct gggattggtg ggattcgcat
                                                                          932040
    cqaqqacacc ctatgtataq ataaaaataa aaattttagt ttgactgcac gtcctgtaat
                                                                          932100
    ctcagagtta gtttgtttat aaattaaatt ggatttagtt tttaaattta aattgaattt
                                                                          932160
    aatttgttt tataaattga tttttttgt tttttaagtt atcttataac tttatttta
                                                                          932220
    acctgcccct cactatgtac cagettettt cgataggtta tagttttgtg agtttcatcg
    ctctgctttg gatgctgtgt tattcaccga actatgtaac agatttatat aggatttctt
                                                                          932280
    tgagtgccga ggaaagctta ggggggattc gagcgtttcc tcaggcagag agcctcctgg
                                                                          932340
    gcggagcctg tgctttaaat tttccagatc tagaagagag attgcctgat ttaaggaaag
                                                                          932400
```

```
agetgetttt tetgggeagt aacgatagae cagaegettg tggtgggaag ttttegetae
                                                                     932460
aactagcete tteaaaagag tgetacateg eggetettaa ggagagagte tatttgaaeg
                                                                     932520
tcaccaactc ttctcgaggc cctgtgtatt cattcagccc taaaggggta cccacagagt
                                                                     932580
tgtggattga gtgcttttct gtgagcgtgg atggtagagt agaagttaag gtgcgcctcc
                                                                     932640
aaggtttaca taaggagtta atttegaage egegagattg tgaaacetta tttttaaaee
                                                                     932700
ctccagctaa taaactagat tgctgggaga ttgcgggatt tagagtagat gcaagctttc
                                                                     932760
ctgtaaaaca aaagatacgt cgtatcggtg tggataagtt tctcttgatg catgggggag
                                                                     932820
ctgagtacgc ggataaggcg acaaaagaac gtgtcgattt tgtttcctct gatgaggaga
                                                                     932880
attatagtcg gtaccttgct gttggagatg ttctcctttg ggatggcaac tgctggcaga
                                                                     932940
cctgcggaga gtttcaagga gcgagctcgc gagcgcctct ttttgaggtg aagaggatcg
                                                                     933000
acgataaggt catgattgcg gatctatgga atgtcggggg tacgcaacgt cagacgataa
                                                                     933060
gtcttgtgaa aggggtgcct tctcctatcg aaattaacga agtgatacgt gaaatcgagt
                                                                     933120
tcactgggat gegeteatgg tcaaageeta tegttttggt agggggacaa aggetgatte
                                                                     933180
tttctcccga cgattggata ctaagaactg ctaagggttg ggagaaactt tcaagggcag
                                                                     933240
accagattca agattacgtt acaggaaagg taacaggacc tcttttggtc tttgaaaagt
                                                                     933300
tagaaaagga tettegaggg tttgtettge gagggeatat gtttaatgea cagegaacte
                                                                    933360
togtagagac aatcagttta cogttaaaac aaggatttga gootgotgtg gottotcaag
                                                                    933420
aagtgtette aaacacacgt agegeacage acateeaggg gegaecaate gtgggggate
                                                                    933480
atagatggtt tttttccgta attctttact gcatttagtt gccctatccg gaatgctctg
                                                                    933540
ttgttcttct ggagtggctt taacgatage cgagaagatg gettetttag ageaeteggg
                                                                    933600
gagaggagca gacgattatg aggggatggc ttcgtttaat gccaatatga gggagtatag
                                                                    933660
cettcagetg agcaagttgt atgaggaage acgaaageta egegettetg gaactgagga
                                                                    933720
tgaagetetg tggaaggact taattegaeg gattggtgag gtgegagget atettegaga
                                                                    933780
gatcgaggag ctttgggctg cagaaattcg tgagaaaggg ggcaatctcg aggactacgc
                                                                    933840
cctctggaat cacccagaga ctacgattta caatcttgtt accgattacg gaaccgaaga
                                                                    933900
ctctatttat ttgattcctc aagaaatcgg agcgattaaa atcgcaacct tatcgaaatt
                                                                    933960
tgtagttcct aaagagtctt tcgaagactg tctcactcag atcctatctc gcttaggtat
                                                                    934020
tggcgtgcgt caggtcaatt cttggattaa ggaactttat atgatgcgta aggagggctg
                                                                    934080
cagtgttgct ggagtttttt cctccagaaa agatttagag gcgctcccag aaacagccta
                                                                    934140
tattggtttt gtattgaatt cgaacgtaga tgcgcatacc aatcaacatg tcttaaaaaa
                                                                    934200
gttcattaac cctgaaacaa cgcatgtaga tgtgattgca ggacgtgtgt ggatttttgg
                                                                    934260
ttctgcgggg gaagtcggcg agcttctgaa gatttataat tttgtgcagt cggagagcat
                                                                    934320
acgtcaagag tatcgggtga ttcccttaac taagatcgat ccaggggaga tgatttccat
                                                                    934380
tctcaacgca gcatttcgtg aggatctgac taaagatgtt agtgaagaat ctttaggcct
                                                                    934440
togtgtagtt cotttacagt atcaagggog ttogttgttt ttaagtggaa cogoggogtt
                                                                    934500
agtgcagcaa gcgctgactc tcattcgaga gcttgaagaa gggattgaga accctacgga
                                                                    934560
taaaacagta ttttggtata acgtcaagca ctccgatccc caagagttgg cggcattgct
                                                                    934620
ttcccaagtc catgatgtct tctctggcga gaataaggcg agtgtcggag ctgcagatgg
                                                                    934680
atgtgggtcg caattaaatg cctcgatcca aattgatact acagtaagtt cttctgcgaa
                                                                    934740
agatggetea gtgaagtaeg gaaaetteat egeggattet aagacaggaa etetgattat
                                                                    934800
ggtggttgag aaagaagttc ttccacgtat tcagatgcta cttaagaaac tagatgtccc
                                                                    934860
taaaaagatg gtccgtatcg aggtgctgtt atttgaaaga aaattggcac atgagcagaa
                                                                    934920
atctgggtta aatcttctac gtcttggtga ggaagtttgt aaaaaagggt gcagtccttc
                                                                    934980
tgtgtcttgg gccgggggta ctggcatact agaattttta tttaaaggaa gtacgggatc
                                                                    935040
ttegatagtt cetggttatg atetegeeta teaattttta atggeteaag aggaegtteg
                                                                    935100
gattaatgcg agtccttctg tagttactat gaaccaaacc ccagcacgga ttgctgttgt
                                                                    935160
tgatgaaatg tcaatagegg tgtcttcaga taaagataaa gegcaataca ategtgegca
                                                                    935220
gtacggtatc atgataaaaa tgctccccgt aattaatgtg ggagaggaag acggaaaaag
                                                                    935280
ttacattact ttagagacag acatcacctt tgatactacg ggaaaaaatc atgatgatcg
                                                                    935340
tootgatgtt acaaggogta atattactaa taaggtgogo attgotgacg gagagactgt
                                                                    935400
935460
tggagacatt cctggtatag ggaagttatt tggaatgagt tccacatcag acagtctcac
                                                                    935520
ggagatgttt gtatttatca ctccgaagat cctagaaaat cctgtagagc aacaagaacg
                                                                    935580
taaagaagaa gctttactct cttcgcgccc tggagagaga gaagaatact atcaggcttt
                                                                    935640
agcagctagt gaggctgcag cacgagcagc tcataaaaaa ttagagatgt tcccggcatc
                                                                    935700
aggagtatet ttateteagg tagagaggea agaataegat ggetgetagt attttatete
                                                                    935760
aggagetttt ggatateett eettataett tittaaagaa acaetgiett eteeetatig
                                                                    935820
aagagagtag tgaggctatt actatagccc atgctaccgc gacttcagtc attgctcaag
                                                                    935880
atgaagtcaa attgttaata aaaaagcctg tgcgtttcgt tctaaaagag gaatcggaga
                                                                    935940
ttctgcagcg cttacagcag ctctacagca atcgggaagg taatgtttcc gatatgttgt
                                                                    936000
taacaatgaa agaggaagat ggcactacga tttcggaaga agaagatctt ctggagacta
                                                                    936060
eggataegat eccagtegta egettgttga actggattet gaaagaageg attgaagage
                                                                    936120
gcgcttcgga cattcatttt gagccttgtg aggattctat gagaatccgc taccgcattg
                                                                    936180
atggtgtgct tcacgatcgt cattccccac cttcccacct gcgttcggca ttaaccactc
                                                                     936240
```

```
936300
ggcttaaagt cctcgcaaag atggatattg cggagcaccg tcttcctcaa gacgggcgta
ttaagatcca tattggtggt caggaagtgg acatgcgtgt cagcacggtt cccgtgattt
                                                                     936360
atggcgagcg tgttgttctt cgtattttag ataagcgcaa tgtcattttg gatatcgcgg
                                                                     936420
qcttqcatat gcctaagggt accgaaatac tctttaaaga taccataaca gctcctgaag
                                                                     936480
qqatccttct ggttacagga cctacaggca gtgggaaaac tacgaccctc tacagtgtat
                                                                     936540
                                                                     936600
tacaaqaqct taagggacct ttaacaaata tcatgacgat cgaagatcct ccagagtata
                                                                     936660
aactgcctgg aattgctcag attgctgtga agcctaaaat tgggctgact ttcgcacgag
ggttacggca tttactgcgt caagatcccg atatccttat ggtcggagaa atccgagatc
                                                                     936720
                                                                     936780
aggaaactgc agaaatcgca atacaagcag cattgactgg gcatttggta gtgagcacgc
tccatacgaa tgacgctatt tctgcgattc cccgtcttct ggatatgggg atagaatcct
                                                                      936840
atttgttatc ggcaacgctc gttggcgtgg ttgcccagag gctggtgcga accatttgtc
                                                                      936900
cctattgtaa ggtcgcttat actcctgaga atcaggaaaa atcttttcta gcttctctag
                                                                     936960
ggaaagatac agaaatgcct ttatatcggg ggcaagggtg cgtgcattgt ttcgttccgg
                                                                     937020
atataaagga agacagggaa tttacgaatt tttacgcccg aatacactat ttcgttcaga
                                                                     937080
agtagectea aacegeeet ateatattt aegagaaact geagaacaaa aeggattett
                                                                     937140
accgatetta gagcaeggca tegetettge tgtatetggt gagaetaeet tagcagaagt
                                                                     937200
cttaagagtt accaagcgct gtgattaggg agggcggatg cctcgatatc ggtatacata
                                                                     937260
                                                                     937320
tttagatccc aaagagcgaa ggaaacgagg atatttggaa gcccttcata tacaagaagc
                                                                     937380
tagagaaaag ctcgcccagg aaaatatcca agttttggat attcgtgagg tcgccttacg
                                                                     937440
aagaatgagc attaaaagta ccgagctcat cgtgtttaca aaacagctcc tcctcctcct
                                                                     937500
acgetetgga etgeegetat atgaaagett ggtatetete egagateagt atcatgagea
                                                                      937560
gaaaatggga cttttgctca catcgtttat ggaaactcta agatcgggtg ggtctttatc
                                                                      937620
tcaagctatg gcagcacatc cgaatatctt tgatcacttt tattgtagtg gtgtcgctgc
                                                                      937680
tggagaaagt gtggggaatc tcgaagggtg tctgcaaaat attattgttg ttctggaaga
                                                                      937740
gcgtgcgcag attaccaaga agatggtcgg cgcattaagt tatccttgtg tgttgttagt
attttctttt gccgtgatgc ttttcttttt gttaggagtg atcccttcat taaaagagac
                                                                      937800
ctttgaaaat atggaagtca aaggactaac aaaaattgtt tttggagtta gcgactgtct
                                                                      937860
ctccgcatac cggtatctat ttttaggatt tgcgagtgct ttgattaccg ttggaatttt
                                                                      937920
gatgcgccat cgcattccct ggaaaaagat cctagagaag ctcttatttg ctttgccagg
                                                                      937980
                                                                      938040
aaccaagaag tttgttgtta aggtagcggt gaatcggttt tgttccgtgg catcggcaat
cttgaaggga ggggggaccc taatcgaagg tctcgacttg gggtgtgacg caattcccta
                                                                      938100
                                                                      938160
tgacagactg aagaccgata tgagagatat tgttcaggct gtaatcggtg ggggatcttt
aagtcaggag cttgctcagc gctcttgggt tcccaagctc gctataggga tgattgcttt
                                                                      938220
                                                                      938280
gggagaagag tcgggggatc ttgccgacgt tttaggatat gtagcccaca tttataatga
                                                                      938340
ggatacacaa aaaacgttgg cttcgataac gtcgtggtgt caacccgtga ttctgatttt
                                                                      938400
tcttggtggc ctgatcggtg tgatcatgtt ggcaatattg atcccactca caagcaatat
                                                                      938460
ccaaacatta taaagtgtgt actcagagga gtcggtatga aaagacaaaa gagaaagcag
                                                                      938520
tccatcacat tgattgagat gatggttgta atcaccctca tagggattat tggtggtgct
ttagcattca atatgcgagg cagtatccat aaaggtaagg tatttcaatc tgagcaaaat
                                                                      938580
                                                                      938640
tgtgcgaaag tatacgacat cttgatgatg gagtatgcca cggggggatc ttcgttaaag
                                                                      938700
gaaatcattg ctcataagga gacagttgtc gaagaggctt cttggtgtaa agagggtagg
                                                                      938760
aaattactta aagacgcttg gggagaagat ctgattgtgc aacttaatga taagggtgat
                                                                      938820
gatttagtca tcttctctaa gcgtgtacaa agttcaaata agaagtaact cttgagtaac
                                                                      938880
atcatggggt ctcgacgtaa acttaaacgt agctttttac ttatagaagt cctgatggcg
ctttctttgg tttgtgcagt gctcttgccc tgcatcagat tttactacgc catcgacagg
                                                                      938940
                                                                      939000
tcttttgagg aagatatttt taatttgcaa ttgccagccc tgatcgacca ctgctttcta
                                                                      939060
tctgtngaag aaaagatgcg tcagcaaatg gcagaaggaa ctgttctcac ntcagggaaa
                                                                      939120
gggcagacag tttctttagc atataccagt caggggatag gctatcggat cccttatggt
                                                                      939180
tacaatgtag atatccgtca ggaagtccgt ggtgataatc ttaagatgaa agtttgcctt
                                                                      939240
gccgatgttg ttgtggaact tttcccagat cagaaacaag cagtatccgt acagagatgc
                                                                      939300
ctatgtgtaa ctctatagct atgaaaaagc aaaagcgtgg ctttgtgctt atggaattac
                                                                      939360
tcatgtcgtt cactctaatt gctttgttat tagggacttt aggattttgg tatcggaaaa
                                                                      939420
tttatactgt acaaaagcaa aaagaacgta tttataactt ttatatcgaa gaaagccgag
                                                                      939480
cctacaagca gctcagaacc ctgtttagca tgtccttgtc ttcatcttac gaggagcctg
gatcattatt ttctttaatc tttgatcggg gtgtttatcg agatcctaag ctggcaggtg
                                                                      939540
                                                                      939600
eggtacgage ttetetecat catgacacca aggatcagag attggaactt egtatttgta
                                                                      939660
atattaagga tcagtcttac tttgaaacac agcgactgct ctcccacgtg acccatgttg
                                                                      939720
tactttectt ccagagaaat cctgatcctg aaaaacttee tgaaacaatt getttaacta
taacacggga acctaaagca tatcctccaa ggacgttaac ataccaattt gcggttggga
                                                                      939780
aataagccta tgcaaccttt tatctttact ttactgtgct tgacatcttt ggtttcttta
                                                                      939840
gtcgcctttg atgctgcgaa tgctcgtaaa cgttgtgcct gtgctcaaac tatagaacgt
                                                                      939900
                                                                      939960
 ggagagaact tetttteeat aaaaegetet gettgtgetg aaategaata teaagaaaaa
 tctcgccacg cctcagcaat tgaaagaatc tcaaaagata aaggcaaagt cactccaaag
                                                                      940020
 cagattgega aagtagetae taagaaaaag caaagataee gtttattgea ggtteetttt
                                                                      940080
```

```
tcaaggcotc cgaataactc aaggtataac ctctatgctt tgcttagtga acctcccgaa
                                                                     940140
tgctatageg atacageate atggtatget attituatte ggttactieg aegigettat
                                                                     940200
gtagacacgg gaaatgtacc tcctggatct gagtatgcca tcgctaatgc tttgataagt
                                                                     940260
aacaaacaag agattttaga gaggggagcg cagcttggac ccgatgttat tgaaactcta
                                                                     940320
acattgcctg aggaacaagc cgagattttt tataaaatgc tcaaagggtc gtcaaactct
                                                                     940380
cagtcgctac tgaattttct gcattatgaa gagaaaagct taggccactg taagctaaat
                                                                     940440
                                                                     940500
ctgatcttca tggatcccct actgttagaa gctgttctag atcatcccga tgcttatagg
                                                                     940560
gaaacgtcgc tcctgcgcga tggcatttgg gaagcggtga agcgtcaaga acatgccatc
caagaacatg gccaggcagc tgctttggag ctttttaaaa cacgcaccga cttccgcctg
                                                                     940620
                                                                     940680
gagctgcgag ataagatgca gttacttcta agtcgatacg atttgctccc cttattaaat
                                                                     940740
aaaaaaatgt tcgactacac cttaggaagt gccggagatt acttatttt ggtagaccca
                                                                     940800
gatactaagg caattteteg atgtegetge cetteaaaga gtattaaatt ataatttaat
tttaatattt attttaaata gttttttttg ataattgtct taataagtac tataaaaaaat
                                                                     940860
                                                                    940920
atttctatag gtaggaccat ggcagacgag accccgaaag agaactcctc caaagaatcg
tcctcacaat ttgactcttt gaagcgtaag gtgaaagatt tacactccaa tcctaaagta
                                                                     940980
gggaaatgga agaagtttet tteteatega gettgegaan tateggtggt tgettggtge
                                                                     941040
                                                                     941100
tggttggtat catcgctgat tttatttcat gggctggagg actgtttatt gcttgtggtg
tggtcctagg ttttcacgtt gaaattcgta aaatgcttag caatctccag agctattcga
                                                                     941160
ttgctaatgg ccctattaag aatgcaattc tctgtggctt gattttattt tttgtattaa
                                                                     941220
acatecette etttgeagte tegtttattg ttetetgtgt cattettet tttattacaa
                                                                     941280
cagcaccgtc atgttcgacg tgttcgaaag atcattgtga caaacatcaa gatacttcta
                                                                     941340
ataaaccttc ttaaaactac tttttcccta aaggcaaaat gttgaagccc tcctttcctc
                                                                      941400
                                                                      941460
aactttttgc cttgttttca ggcatgttcg tcgagagctc acaggctgga acgtatctca
tgttttaaga gatgcatcct tttctatagt cttgaattta tagattctta gattacaaaa
                                                                      941520
gaatatgcga gagattccct aagataatcc ataaacagtg cgctaagatt cgtaagtgag
                                                                      941580
cgcatctcca gataagagtc acgataagag cctaggggat tagagtactt gagggttgga
                                                                      941640
                                                                      941700
acctaggage ataatgggga ettetttgaa ecaageaaga gtgaaataat etatetgett
aattatgaac caccacgcca gggtgagaaa gagaagaccc atgaaagcct taagggcaga
                                                                      941760
                                                                      941820
gaggaggtag atgacctgaa cttgaggtgc catacggtta ataatcccta agaataggtc
                                                                      941880
ggacattaac atcgccaaag ctgcaggagc actcagctgt atggtcatca cgagacagag
                                                                      941940
ctggcacatc ttgatcatag taatccaaat cggggcactt aagctcatca tctcggcagg
                                                                      942000
aaagaaacta tggatcggaa tgacttcaag agtttgcaat aacaaagaga ttacaatacg
                                                                      942060
gtgaccaccc actaaccaaa aaataatagt cacgaagtaa tggtataaaa tgccatgcgg
                                                                      942120
agaggtctgc tcaatggaaa tcagggatgt cgcgccctct aaaccctgaa tcccttgttg
                                                                      942180
gttagtgatg aaagatcctg ccgattgtgc agcataaaag ggaaatgcta aaacaaagcc
tatcacaatg cctatgatca tctccttcac aagtaaaaca taaaagagat tgttatccat
                                                                      942240
gtaatttgtg atctgcgtat ccgccaagac ttttggaaag atgattgcaa gccaagagag
                                                                      942300
actaatcccg attttaatag gggagggaaa gagctttgct cctaagaagg gagctacagc
                                                                      942360
aaaaatagga agcagacggg ctaataaaag aagaaaaact gaccaaacat aggccggagg
                                                                      942420
atgttgaaag atataatcta agtaagcaga acctaggttg gaaaaaagct ctggtagaga
                                                                      942480
gattcccata agctctttat ttccatttat agaagttttg gaaaatctga cctgcaaagc
                                                                      942540
gtaaaatcat attgctaagc caccetecag agatcattaa ggttecaaaa ateaegaeta
                                                                      942600
gtttgactgc aaaagcgaag gtctgttctt ggatttgtgt tgcggcttgg aagatcgcaa
                                                                      942660
                                                                      942720
ccataatccc qactatggaa gctaagatga tgggaggtgc cgaaacaatc aaaataagta
                                                                      942780
ataatgattq qtaqqaqtac tcaaaaaqaa cagatttgaa actagttgcg aaaaatgcta
acacggcacg tgtccttatt taaagctgat cataagccct tggagcagta atgtccatcc
                                                                      942840
                                                                      942900
gtctaccatg acgatcaaaa gtaactttaa aggtaacgaa atcgatagag gggataacat
                                                                      942960
catcatctgc atcgctacaa gaacgttagc agtcactaaa tcaataacaa agaaaggtag
                                                                      943020
atagatcaag actccaattt cgaaagcatt ttttatctga cccataataa aagcaggaat
                                                                      943080
aatgattaca aagtcggagg cagtgaggtg cgctcgaatt tccgaaggaa ggttttctgt
                                                                      943140
gagatettgt aaaagetttg aatttgtget tttggagtgt tgegaattaa gaaagagege
                                                                      943200
aaaggttctt tagatttgtt taaagcgaca aacactgttt cagcaccttc tgcagtgaag
aggetttgag gaatggtatt ggettegatt teettgegag catetttata catagecaet
                                                                      943260
                                                                      943320
 cccgtgggga acatcacata aatagatagg atgagtgcaa tcccattgag gacttgactg
 ggaggtgttt gttgtactcc taaggcgtta cgtaataaga ctaaagtaat gataatcttt
                                                                      943380
                                                                      943440
 agatacgaag tgagcaacat gaccaggaaa ggcgataggg ccaagaaaat taagatgatc
                                                                      943500
 gettgegttg taatgtetgg atacgtatet gagaaaette catetgaeag atggteteta
                                                                      943560
 gggagaacat catcagcatt cagtgggggc atgtaggaag gcactgacga tgcagcaaca
 ggctgttgta ctacgttcaa aggattagaa ttcgagggag gaggggtagg ttgacaacgc
                                                                      943620
 gagggacagg agttttcata tagactggcg tcagaaaaca gcatgagacg ctcagcgtaa
                                                                      943680
 aaaaacaaag ggaaaatcga aaaatggatc gcataatagt gaataccttt attctttctt
                                                                       943740
                                                                      943800
 atcctgatca ttagataaag aagaagaatc cgtggatgat gaagtctcag atggctcgtc
 tacagggttc ttcgctttta gtatagtcga gaaagctttt tctaaggcat ctaattgtac
                                                                       943860
 atcaagetge geattgatga tecetgette agtetegata atgeaaceee caggagtaae
                                                                       943920
```

110 ///2/2/						
atcaggtttt	gctgtaagaa	ttaaggagtc	agcatactcc	acgatgttct	tgagttcagg	943980
accacttttc '	tcaacaagag	gtaaatcttt	gggattgaca	gagagtaatg	atatgtttat	944040
tttatataaa (	ctctttcaat	gcttgagaaa	taatagagac	aatagtttca	ggatgtaatt	944100
coagtteett (	cccaatgatt	ttcctcacac	tcgcaattgc	cagaggaacc	aaggcctcgc	944160
gractettat (	gcgtagattt	ttagtttctt	cttctaagaa	agcaatttgc	ttgctccagg	944220
attcagatco	ctctttaaat	ccttgatctt	tagcttcttg	acgaatttgt	gcacactttt	944280
attetatete	tqcaacatag	gcttcgctat	cggcttttgt	tttttctaac	agctctttgg	944340
catcaaggaa -	agcagacgaa	agcttcagga	gataaaacct	tcttatttgg	ggagacatca	944400
tcatctttaa -	aaattaagct	aaaaaacttc	atctttacta	tggcgtagta	tctttgaggc	944460
tgatttacct -	cagaagagaa	aacaccgctc	cttttattgt	cgtgttattt	ttctatactt	944520
tgtataaagc	taaatcttta	cttataaagc	ttttatttca	ctaagacttt	catgcattgt	944580
tctaggggg	acttaaaata	atccacatag	ggatggtcat	accatgtttt	taaagtctgc	944640
tcgacgatat	atgctcgacc	gacatctaac	ctacgtagaa	aataccatag	aaaagaagcg	944700
ttttcttttq	ttaatgcttt	acctaaaaac	tctaaccctt	gcttatgaac	gaactgtcgt	944760
aattctgcat	cagtagtcca	agaagaaaga	aaattcgtag	tttctaaatg	tttcatcgga	944820
tgagattggc	agtaggtaag	aaagagtttc	tctgtagggg	agagagcatt	cttcactcgt	944880
tcaatcacaa	ccttatccag	aatgtgcttc	aactctttag	caatagaata	aagacctagg	944940
cacttoatta	aagcgatett	tacaggacct	gtatagtaaa	gtatagcatt	tgctgaggat	945000
acaddaadaa	agatttcttc	totaattcca	caaggacgga	tctttttact	tagcatatct	945060
agaggaagaa	aggeteegaa	aggtgcacag	cqatqtqqqq	ctatagagat	gccaggcagt	945120
agaagacaga	tttcttgaac	taaaggetet	ggcaaccacg	ctaataattg	accttggatt	945180
teagggeagaa	actctttcat	ggcaatggta	atccatgaag	gatgaattgt	aggtagccaa	945240
ctaggaggga	anataaaaa	ttttaaaggg	atttcttcqq	gatgaggaga	ttcaacaaga	945300
agattttag	caacaaacct	ggagaggtca	tetteettaa	agtgcttcat	caagatgtct	945360
agatttees	and attace	agreactagg	caccctcaat	ttcattgctt	ccttctggag	945420
agagetecaa	adjuguege	tratcactor	tttccgcatt	tttgctttcc	ccctgtgaat	945480
catcutate	actagagect	ttatcaccag	ctactccctc	ggctttcttg	gcttccaagg	945540
etgeatette	atatestata	acattaaaa	accetttet	acctcccata	gtcataatga	945600
cattettet	tttccaaata	acceaaaga	gaccacaaga	aataacaaat	aaaatgagaa	945660
gagtatgagt	nanataaa	cocaattto	tgagcgaaga	cttcgcaaga	ataatacccc	945720
tcaagacata	aaaaatgaga	tetteteta	atccccaagg	accattaatt	gtaatatcac	945780
aaacagaaac	acaaccgacc	ctacadadac	attetetage	acaagtcctg	gaacagcact	945840
tataantgcg	cgategetta	tagaaaccat	aatoctotto	ggattgtcca	aaacccctcg	945900
tgcaataagg	teasassa	ctattaaaaa	aagattatct	tcattttctg	tagtgaagga	945960
atgettaata	tacacagagg	cancacata	catttttcta	atcgtagagg	ccatctgttc	946020
aatctgtact	gaggcatcga	caacyccacc	ctgaageteg	gaaggaacaa	gaccttgttt	946080
tgataagcct	tettgataac	ttatacattt	catacutuua	agacccgctt	gatttagaat	946140
tgcaaaaaga	tetaacayye	atactascaa	aacccccata	teccaeattt	gctcagtagc	946200
ggcaagggcc	tetgtgattt	gracttaaaa	caatttttat	acaaccaccc	ctttgcttac	946260
tgctccggct	grageegery	tagettetet	accadasads	ccatacacaa	ttagagacct	946320
caaaagcacc	acaateteat	regerectet	cattagaaaga	: aacaadcaaa	aagaaataga	946380
gctgttacag	cttgtacago	acaycaacyc	tattcaccat	aacaaaaaaa	gggattagtg	946440
tcgacgaacc	ataatccacg	Cataccttc	tattcattat	cttcaaccggg	ccatattaaa	946500
ccaatcgcga	acataaaacg	gtaatttt	tattacaatt	atrasarros	cgatattaaa	946560
aaatgatttc	atacatacct	cccggcacgg	catattttt	. acgaaaggga	tgtttttttg ttcctatcgt	946620
aaggtaagat	aaatgetete	tattaaatt	agagtaatto	. agageeeee	ttacttaagt	946680
tttatgaagc	tetetacett	tananataa	tottoattt	acadacecec	gttgcggtac	946740
cttaggcaaa	cttttggtt	. Lyayaacccy	taagagttag	. aagtategtt	ttatattttg	946800
ctacgttacc	tttcgagttc	techaige	tacaratet	ttaanataa	aatacatato	946860
gatagtcact	cggaccattg	- tggtttttt	tetaaatata	. ccgagataga	aatacatatg	946920
tttcgtgcca	actttggcga	aatcctttt	ctacaacaca	tttcttcat	ggttttattc	946980
atggctttgc	tttataatga	aggaaacgc	ttattgcgad	. acadaaaa	agaactattt	947040
gaaaaacaag	aagagcatgt	ttatgaaaa	. ctataaaact	gcayyyyayc	ttttttagc	947100
aaatgcaaaa	tggcccttgg	, taccygoly	g gtategatgi	gttegaggae	aagattttgt	947160
tctatccccg	ctcgtggact	. cagigation	ttato	y ytauttadag	actcccgata	947220
ttcaccttgc	agcatgacat	Luacitgta	ttataata	taataatta	gtattcctgt	947280
tgtaagtaca	ctatttggta	toggacgati	. cegegoego	g cygcycyti c attataaa	aaggtttctc	947340
aggetetacg	cttgataaga	totateata	- datigicyco	c cttatatta	ttcttggttt	947400
gggaattctt	acgttcatt	L Laagaatta	atomores	g treatgrige	c ccgtctggtt	947460
cttatttaag	cgttattct	L ageytacaa	argycygya	a cocagacia	agccactagg	947520
attettgaca	gttttctcc	. toectgett	gayytagaa	s ttttsttati	t tcctcaagtc	947580
tttagcaaag	ctgttgtat	a Laagtacaa	y ayılcıaga F ttts++	a coccactya	t agetttgett	947640
tataatataa	ctctcgtct	t agggettat	t daamnes	a ayadatact	t aggacaaaag	947700
gggagggtaa	trongadaa	c ccatcaaaa	t gaayaagaa t attaassa	a aaaactete	c aactgaaagg t attatttcca	947760
tttccatcaa	a caggggegg	y graceracy	. geecgaaac	a addactive		22,,00

tttgaggatt taatgct	tgt atgcccctca	gtacctaaag	actttccact	ttcagctttc	947820
aaagtaacaa ctaagct	tat ctattggagt	gtattagaga	gtatccccgt	cgtgggagca	947880
ttttttttca gtatagg	gaag actctttgct	atgtggtgca	tagaagattt	cccaggctct	947940
attttttcta gaatcta	atca taccactgtt	ggtgttttag	gaattcttgg	tttaggaatc	948000
atcatgttca ttttaag	gaat tatctttact	ttgcttacgc	tacccttctg	gctcataagt	948060
tgtctaaaat caagtgo	tgc ttgaccaaga	tcgagtcccg	gtgattgaag	acggtttccg	948120
atagccacta ggatcac	tga ggttccttcc	tctctgagat	aaaaactcat	atttttcgtg	948180
taaagactaa caaatca					948240
gtcgctctac tctacag	tga agcacgtgtt	ttatcttgac	tgttagaaaa	gaaaatattt	948300
ccagaattga ctctttt	aca cgtagttgaa	cttagttcta	ggggatctag	gttttattta	948360
tatttaataa aacaaaa	igga aaaataatgt	gcttataaga	aaatctgaat	cagaaggagc	948420
tttttttgaa gcaacto	aaa attatcctac	aatacagcaa	ggatatcagc	tagtacagat	948480
tcgtgagcac aatcttt	ctg tccgagcaca	ttttgactta	tctctatctc	ttgatgcatc	948540
agtccatccc gcggctt	aat agatagggta	ttgaattcta	gatgcttatt	tctattttta	948600
aagagtagat ttctttc	ggt gtcttgtcta	aatggaggct	atcaggcgta	tttatcaact	948660
cttcttttga gtgggcc	ggc tttggatagt	tatttgtaag	cgtatctaaa	attotaatta	948720
tttatagcgt acggaat	tat ttattagaga	ggctaagact	acggagcgca	gttttaagaa	948780
ttttcctaac aagtttc	ttc atcttggtat	catcoottag	tatettatet	nnatranaan	948840
atcgcaagga tgacagt	ttg aaaaagcgtt	agaatgtagt	ttttaagatg	traatroatr	948900
atctttcaat atcaaga	itto gatgagatgg	atcotactat	acttattaac	tgaacctatg	948960
tettgtacag aagetag	gat catatoggca	ttaaaactco	accetacasa	aggtectes	949020
taaacaaaaa gacccat	age theteegeet	cacataat	aatcaaaact	aggeceegeg	949080
acataacttt tgacttg	idad atocttacda	Caaccacata	actedadage	tatagtgagtc	949140
atacgaactc ctatgga	age cagatetter	agaggacgca	tarattatas	ttaagtgaca	949200
cctaatccta ccatcat	ccc capatetest	ttaagataga	gacttett	accomment	
cctaatccta ccatgat	tee ggatttgatt	ccaagategg	ggaggtagtt	ggeagettgt	949260
tctaacatga acataga	eccy gycalaggic	gttatgegee	gractagagg	cgagageete	949320
gctacagttt cgacatt	acy accacaaca	graargeeag	aatctaacag	ggtgtggaga	949380
gcagaaacat tcccttg	gaa accagaagee	addacticity	cageegeete	agggagttet	949440
tcacgtaact tttgaat	yar arcyactada	cettgtgeae	caccatcete	aaggtcatcg	949500
cgagccacca tggtgat	tac cacatgette	aaccccagtt	ctttegetga	caaagcaatg	949560
cgctcgggtt ctgtagg	acc tagegegggt	ggggttttag	aatgeceaat	attgcaaaaa	949620
ccgcaacttc ttgtaca	igac alegeegaga	gcaaggtagg	tggcagtttt	acgagaccaa	949680
cattetgete gattggg	gea gagagettet	tcgcataccg	ttggcattcc	tgagcgtttt	949740
attgtagcgt ccgtagc	aty adatycagaa	ccttgtggta	agggeetetg	taaccacttg	949800
gggaaacgct cgggaag	ctt cttccgcact	ctaggttggt	ctgtatttaa	agttggtcta	949860
catttcatga cttagga	iggg aagtgtaaag	ggtgatttgt	agcaagtaaa	gcaccttcag	949920
cccaaacttc agagagt	grg ggargagear	gcacggtttc	atatatgcaa	ggtagggtca	949980
gctcattgcg gatcgct	aag greatetete	caattaatga	tgaggcgtga	ggtcctatga	950040
cataagctcc gagtatt	itgc tgggtaattt	catgactcac	aatagcagca	aaaccatcag	950100
atgctcccaa agcaaca	gct tttccaatcg	ctttaaaagg	aaatttggtg	agctttgcag	950160
gaagattttg ttgttct	gct tettgtagag	atagacctac	catagcaatt	tctgggtggg	950220
taaagatcac agaaggt	arg gcagaataat	ccataacttc	gtgatgtccc	gaaatatttt	950280
tegeggeaat aacgeet	tgg tgcgaagcca	catgagcaag	tagccacttt	ccagtgatgt	950340
ctccaatcgc atagata	ittt ggaacattag	tgcgcatggt	ttcgtcaaca	ggaatcacgc	950400
cacgatcgtc ccggatc	act ccagcattat	ctagccctat	acttgctgta	ttaaattggc	<b>9504</b> 60
gaccaatagc caccaag	raca taatcaaact	cttccacttg	atcgttcaca	gtaatgcgaa	950520
cttggttttg ggattct	ccg attgcagaga	tcgaggcttt	ggtaagaatt	cgaattcctt	950580
gtttcgtaaa tttattc	gtt acggtttgag	aaacttcttt	attgttaacc	gcaagaatat	950640
gatccaaagc ttctata	acg gtaatctcaa	cgcctaaagt	gtgaaataga	gacgcaaatt	9 <b>507</b> 00
cacagccaat aacgccg	jcca ccaataatag	cgagcttttt	agggaggact	tcaagttcta	950760
agatccctgt ggaactc	aaa attctagagg	agaagggaac	ccctgggaaa	ggacgaggct	950820
cggatcctgt agctagg	gata atatgattgg	ctttgattat	agtcgtgtct	tggccaataa	950880
ctttaacttc tgtagaa	igat actagagato	cggttccttt	taagacagta	atcttgttgc	950940
tgcggatcaa tccttct	aat ccttgacgga	tcccctggac	gactgtattt	tttctttttg	951000
ccatcgcagg gtaatcg	gatt gtataaccat	caacatggat	gccgaactct	ccgcatgctt	951060
aatgtgagat acaacat	tgg ctccagcaat	gagggctttt	gaagggatgc	atccgcggtt	951120
taagcaggtc cccccag	scct ggtcttcttc	aataagagcg	gtccgtaatt	ttgattgcgc	951180
agcagtgatt gcggca	acat agccactagg	tcccgcacca	ataacaacac	aatcaaattc	951240
ttgggtcata ttctcac	tca ctgtaatcaa	gatttcaaaa	agaacccccc	ttcataaatg	951300
catgcatctc attaaga	aga ggaccctgtg	cttattttag	acctaaagat	taattttcag	951360
cattgctttt ttcttcg	gctg attctgtatt	gaacctcgcc	tatatatccc	agaaaaagca	951420
aacgttccct cggtaaa	atat tgttttctt	tttaataccc	agaagtatac	ttgcattaat	951480
ggcattttag cgaccta	aga ggtcgtgatt	tcataattga	caagaacgta	ttcqttataa	951540
acaagcatgt ttaaatg	ggat gagtttatgg	gggaaatgcc	ataacttaac	cctacagagg	951600

```
gcatagttgg atagcaattg acgaggaaga atgtatttct cctcatgatc atgaaaaaag
                                                                        951660
                                                                        951720
  tgaaagatac ctatgccatt tgctaaagag acagaaatgc aaaggacgtg ttggaagtgt
  gaaggcagtg tatctatgca cgtgcctcaa tgtccctatt gcagcgcctt tcttcaagat
                                                                        951780
                                                                        951840
  cctccagtag cctcaggagg gttttcttct tgccacatct cgttcccaga aggagettct
                                                                        951900
  aaagaagaag ccgaagacct atttgccgtc tcttcagaag attgggaagc cgtgcttgga
                                                                        951960
  gatcaaaacc ctactcaaga aacgaataaa caagtgatcc ctgagtggac atggttacaa
  agttggcctc ttgcagcctt atttttaggc ataggcttgc tagcgtttgc ctttctgatt
                                                                        952020
                                                                        952080
  cttcttttct ctacagacag tggattggtt ttgacttggc ctaaaaatcg ggcctatttt
  tacggtatta taggtgctgc agtcgcctat cgtggatacc gtaaacttcc tctttaatta
                                                                        952140
  gcactaaata caatttette gttaggaate etcaggggga agcacacetg tateatette -
                                                                        952200
  tacgggtgca tctacagggg actcttcact gtctgaagtt ccatgttcgt ctttgtagga
                                                                        952260
  tagtatagtg aggagatett ceegatteaa catgtgtagg atattagaat ettgagagge
                                                                        952320
  aatgacctta tccaataagc gaattttett etcaattaaa taatggatge getetteaag
                                                                        952380
                                                                        952440
  tgtatcttca gtaatcagct tatagataaa gactgtattt ttctgaccaa tccgatgcac
  acggtctaga gcttggtttt ccttggcagg attccaccaa cggtcataca taatcaccac
                                                                        952500
  attgcctgca gtcaggttaa ttcctgttcc tgccgcaagt aacgacccaa caaacacctg
                                                                        952560
  acaattagga totgtagtaa atgtttoaat ttottootto cgattoagag attttoottg
                                                                        952620
  aaatcgaagc atacttgatc ccaatttcct caagatagag agtaatgatc cgaatcatgt
                                                                       952680
  ggatatattg cgagaataca acaactttgt atccagcgtt taaagattcc ttaagtagct
                                                                        952740
  taacgaaagc attccacttt ccagattcgt aatttttata ttgatccggg tctttgaaaa
                                                                        952800
  atactgcagg gtgatcacaa atctgcttga gatgatttaa gagagcaaaa atgtgtaaga
                                                                        952860
                                                                        952920
  aattcgtagc aggttcttcg ggagtttcaa gcttttgaat atgacttttc tctctttgca
                                                                        952980
  aggtcgccat atataacttc tcctgatccg gagacaacga acaagcaatg atagattcga
  ccttatcagg aagctcggga agtaccagtt tttttgtccg tcgcaagata aaaggacgag
                                                                        953040
   tcaactttaa taaaagatcc tgggagggga taatctcttc caattcttca gaagaacatc
                                                                        953100
   gtttggtaaa caactttttg aatagagcgt cagagggaag ataattgggt aagataatgt
                                                                        953160
   ctaaaagccc tttaaactct aagagattgt tctctatggg agttcccgta agtcccagct
                                                                        953220
   tcatctgagc gtctatccga cagaggattt tgtgaatttg gctactcttg tttttagcca
                                                                        953280
   tgtggatctc atcgaaaacg acaattgtga atgctatttt gtaaaactta tcgtagtttt
                                                                        953340
   gtcgtagcgt tccataagaa gttaacaaga tatcagcagg aggtagctca ctcggtttgt
                                                                        953400
                                                                        953460
   ttggcccatg gaaagaaaaa atactcacgc caggaagatg attacttaaa atatgctccc
                                                                        953520
   agtgtggtaa cacactttgt tggacataca attaaggaat ttcgggcgcg ctgagggctg
   tgaagactga aatacaatat ctagttaagg ctgtagcttg gtgagtcttt cctaatccca
                                                                        953580
                                                                        953640
   tttcatcaca gagaagccct gagagtctgt gattgtataa gaaccacatc caaagtaacc
                                                                        953700
   cgctgttttg atacgggcgg agctggtggt ctgaagaaaa gagattttgt ggaatcggag
                                                                        953760
   gtaaacacgc tgcttttaac tgtgagaaaa attgcaagtc ttcgggattg gctatagtat
                                                                        953820
   catcagttac tgatagtgga gctagagcat ctaatttaaa gacgtcagta atattcgcta
                                                                        953880
   tgacagtgtt ctcagcgatc acacatttct gcgtagatag gaactgtttt aaaaattgaa
                                                                        953940
   acaggttttg tttcaaatct aaaaagccag cctgtgtaaa tagaaaagta tgtttacttt
                                                                         954000
   tcaatccttg taaagcgatt cctatgggga cagatccgag gtttgtcttc agctccaatt
                                                                         954060
   gcaaatggag aggagaggca ggatgaggcc tatgaatcga ctggatcacc aattcataac
                                                                         954120
   tttctggagg gcgtgtctgc ggatttggaa ataaaatacg ctcatgctgc gcatactgtg
                                                                         954180
   taagaaactg tgggacattt tcaggaggaa tgactctagg tagaaagcat aacccttgta
   ggggagtggg aatcaaagag aatcctatat cttcgcgata tagaaataca ccaaatagcc
                                                                         954240
   aacaacggct ttcccctaaa ccaacaagaa taggcttgag gtcaagtcct tttccacgag
                                                                         954300
   attgcctgtg aacttcaata agaaggtctt ttaaattagg gggagagggaa aagaaattgg
                                                                         954360
                                                                         954420
   ggagacgtcg tagtgccgca tcgttcttta caatgaaagc agggatgtct tgaggttcta
   caatgagece atettgaate ggeaaategt ttttettete tagaaagaaa eettgatttg
                                                                         954480
                                                                         954540
   tatagtaggt ccatgtcccg aaacgtattt ctgtagaaga gggatctccg acatcatagt
                                                                         954600
   ggaataataa aacaccttgt tctgtgacat tataagtaag atgaccttcg ggacgttcgt
                                                                         954660
   ttataaatgt ttggaaaccg ggctcttgaa ttagatgccc cctctcattg agaaagtctt
                                                                         954720
   caacctgttc ggatttaact ataaacgett gttttggaga tagcatcccc acgacttgca
                                                                         954780
tcagacettt egtaggaeta tageaatagt ttgggtaaat gagaetgeea ttgtetaaat
   ccccaggagt gacgaggtaa gcagaaaatg agaaggaagc gtcacgtagt agacggatat
                                                                         954840
                                                                         954900
   catagogtag togatattot agagaatoat agoagagcaa agaaagcago tgatotttga
   atttatcagc gagcaaagga atcgcataga tgggaagggc tatggcttta gggcctgtga
                                                                         954960
   tcatttcatg cgtttttgca acgtattcta cagaacctat tctagtctta ggatgattct
                                                                         955020
   ctctgtcttt tttatggata acaggactta atgtgaaatt taccttagct tcttctgcgc
                                                                         955080
   agaccgtaac atttgtaata ctgatgtcgt gagatacatt ctctaaagat gtatgcgcga
                                                                         955140
                                                                         955200
    gttccaactt aggaaatatg tcttctaatg taggaaaatc caagatttcc gctttaaaga
    ccaggccttg ccattgaaga gaaaaatgag aaggaaagcc ttgagaattt tctcctatcg
                                                                          955260
                                                                          955320
    taageteage ceettettea titaagaaaa agaattitti tageagtgeg atagagageg
    ganttcaaga aagtettatt tgtaaatact gtaggttett cagaagcatg aatggtgegg
                                                                          955380
    agccaatctt ggaatacttc ctcggacaga cactctattg ttaacgtgat atgtggggat
                                                                          955440
```

tetagtgtat aaaccatete teettgaget tgtaatggaa tegagtegag gaaaaagtga 955500 gagaagacgg cataccaaaa ggaatgacgg aatttatcgt gtaaagggtg caatcctaaa 955560 gcgtcataga cagcaaaata tgcagtcata aggtggagac aacactcacc gtcaggacaa 955620 ctgcaagaag caaaagttag cctatcaata tcttgaagtt ttaaagtgct taaccaatag 955680 ecetetggag ettetteate aggaatgegt atggtgtaae tateeteaca aaagtetaca 955740 acgateteet tgegatgttt aaggagatgt tgeategeat eetgtegaaa gatggetaat 955800 gcttctaaaa ccataatatt atgctagcaa cccgtatgtt attttaattc actaacttta 955860 aaacaattgt aagagagag gttaaataaa acaagactgg ggagtatcgg aaattccata 955920 acttgtaggc aatgtttcca caagccagta caatcaaagc tggatagcta agttgtagca 955980 aaggcaagag taggtgactt atagtttcaa aattcaaaat agaaattaaa taggtgggga 956040 taagagtaca aattactgct gaagcatagt tcagtttctt aaaggaaact acacgagcta 956100 gaaaatctgc aacaatacct actaaagcaa tttccgtagt tagacaggca atgaaaacgc 956160 tgactcctgc gagaatgcta tttggcccta atgcaatcgc agagatcctt cccagaatat 956220 gacetttaet tacatteaca agtaageeeg catgaegtge ageagataaa acaaateeaa 956280gataggtcat teetagtaag ategeageaa gaaagaaace taaagetaag gaaegettat 956340 tttttttgct aataccttga aaactaagag ggatttette etetgtagga tgtttetett 956400 cagctacgag ctgacgtaga gagatcaaaa ctatggagca gaagaaaaac gctgcaagta 956460 aatccatagt attgaaccct tcaatgaatc ctgccaacca agcttgacgt gcgttcggaa 956520 taaattettg aaccatgggg tgggtaggaa teataaaact geggatgatg acccaaagta 956580 aggtaaccaa cataatcggg aaaaatacag atcctagcca ttgaattaaa cggctgagct 956640 tgcatgagaa gatatagata agcacacagc aaatcgcact aaaaataggc aaagagggaa 956700 tgaaagcact cttatgctcg gatagtgaaa tcaatgtggc atgagatact gcaatggctc 956760 gagggattcc accgaagggg cctatcaaaa gtataatagc cgtaataaaa atcatccctg 956820 956880 ctagacctaa aagaggaacg catacagcag taagcatcat gccgaaatag gcagaccagg 956940 gatgegeatt gtagtggtat eccagageta agggaaagae aatattgeea geteegaaga 957000 acatagcaaa aatagateet ecaatagace aaatggacaa aetttttta teattigttt 957060 tatgagatgc gtttttttc atcttttaaa taaagtagag atagtaaagt gctgagtgaa 957120 tgagtttaaa gaatcatgat cttagaaatc aaacgatttt cagtagttag tttttattgt 957180 actgtgggac aaaaggtaga gttacgaatt cttaaaaaagc taacaactct aaatttatac 957240 agtttttttt ataacaaagc gattttctaa gtacgggtac tatttgcttc ttttgcaaga 957300 tatgaacata tagggcaatt gtcaatttta tgatgtaaag caggacaata ctgtcgtgca 957360 taatagatga gttgcaagtg caatttcggt gtgttctcat ggccaaaaaa gcgagccaga 957420 tectttteag cageggaggg gettttttt teagaaattt tecategetg egetaaaege 957480 aaaatatgag tgtctacagg gaatgtaggt tttccatagg ctatcccaag aaaaacagaa 957540 geggtttttc tgccaactcc eggaagttgt gtgagaagag ccatgtcatt agggggttct 957600 ccatgaaaat cacgcactaa aatttgagat aattgataaa tataggcgga ctttctctct 957660 ccaaggccac aaggggcaat gagctggtat agcttccctg gaggcaaatc taaaatagat 957720 tgggcgtctg gggcttttgc aaagagttgt ggtgtcacgg aatttactgc tttgtccgta 957780 gaattcccag, ataagagaat agcaataagt agttgaaagg gagaggacca cccttctaaa 957840 gatggttttg gattgggaaa tagcgcgttg agtgttctga gaataaattg cttcatggtg 957900 agctattttc caatgcaaaa tttactaaaa atttccccta aaatactttc agtaacttct 957960 ttgccagaaa gcatcccaat cgagtgaagt gcctctctta actccaaagc aatgatttct 958020 ggaggttgca gatagaggtt tttctgcgct tctttcagac agcgagccac ctcttgtaag 958080 atcatgtgat ggcgagaaga aactaaaaac actttagagg tttttccagc ctcttgtttt 958140 tgcatccatt ggattaaagc ttgtttcact tgagtaagtc cctcaccagt ttttgctgag 958200 atcgcaaatt gagggagcga agtgtcaagg aatggaggag gggtgaggtc agctttattc 958260 cataggagga atgaaggttt tgtaaaaaga attttaggaa gatcttctag aggttgcgtc 958320 gcatctatta cccagaggat eccatceget tettecatag cagaaagage tegtteaatg 958380 ccctcttttt caatgtcatt gtctgttgtt ctttgtcctg ctgtgtctag cagtcggatg 958440 cgtttgcctt gcaagagcca ctgctcctct aagatatcac gagtggttcc aggaatatgt 958500 gttacaatcg cccgattttt ctgaagaagc gcattgagta gggaggattt ccctacgtta 958560 ggtttccctg caaggatcaa acttgttccc tgagcaagcc tctgcccctc atcaaaactg 958620 gaaataaaat cttccacgat atgcagagca ttttgaattt tttcttgagg gacgaggagg 958680 tetggttgtt ettetteagg gaagtegget aggaetteea aaaaegeeaa tgettegata 958740 atcagagtat gtatttettg aattttetta gaaaaattte ettgaaaatg egtttgagea 958800 atccgaaagg cgtctatatt ttccgcaaca atgagatttt ggattgcctc tgcttgaacc 958860 aggtcaattt ttccatttag aaacgctcgt tgagaaaact ctccagggag tgcaggacgg 958920 gcgcctaaag caatcaaagc gtctaaaatt tgggagcaag cgaaaaatcc tccatgacac 958980 tgaaattcga ctacatcttc tccagtgaag gagcgaggag agcgcattag aagaagaaga 959040 gettggteaa ttaatgtete tteaaaaatg aettgteeaa gatgtategt atgggaggea 959100 aagctagcca cagatccaga aaaaatacga tcggcaatga caatcgcttg tgggccagag 959160 agtegtacaa cageaataet teetteeeet ggaggagtgg caatggeage aatggtateg 959220 tgctttagca taaaaataga aaagttaaag gaactttcgg atagaatacc aagttttaga 959280